

DTIC FILE COPY

USAFETAC/DS-90/227

2

AD-A234 489



# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

## BARTER ISLAND, AK

prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723



AUGUST 1990

DTIC  
APR 03 1991

APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION IS UNLIMITED

USAF  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

Scott Air Force Base, Illinois, 62225-5438

91 4 01 058

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-90/227, SURFACE OBSERVATION CLIMATIC SUMMARIES FOR  
BARTER ISLAND AK, AUGUST 1990, HAS BEEN REVIEWED AND IS APPROVED  
FOR PUBLIC RELEASE. THERE IS NO OBJECTION TO UNLIMITED DISTRIBUTION  
OF THIS DOCUMENT TO THE PUBLIC AT LARGE, OR BY THE DEFENSE TECHNICAL  
INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION SERVICE  
(NTIS).

SIGNED

JOSEPH L. BOYTE  
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER

29 OCT 1990

11



100-111-11	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100
Dist:	
A-1	

REPORT DOCUMENTATION PAGE

2. REPORT DATE: AUGUST 1990
3. REPORT TYPE AND DATES COVERED: DATA SUMMARY, JANUARY 1949 TO DECEMBER 1988
4. TITLE AND SUBTITLE: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR BARTER ISLAND ALASKA
7. PERFORMING ORGANIZATION NAME AND ADDRESS: OPERATING LOCATION A, USAFETAC, FEDERAL BUILDING, ASHEVILLE, NC 28801-2723
8. PERFORMING ORGANIZATION REPORT NUMBER: USAFETAC/DS-90/227
9. SPONSORING/MONITORING AGENCY NAME AND ADDRESS: USAF ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER (USAFETAC), SCOTT AFB, IL 62225-5438
11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, BARTER ISLAND ALASKA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
15. NUMBER OF PAGES: 375
17. SECURITY CLASSIFICATION OF REPORT: UNCLASSIFIED
18. SECURITY CLASSIFICATION OF THIS PAGE: UNCLASSIFIED
19. SECURITY CLASSIFICATION OF ABSTRACT: UNCLASSIFIED
20. LIMITATION OF ABSTRACT: UL

DTIC STANDARD FORM 298

Best Available Copy

## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



## CONTENTS

INTRODUCTION.....	1
STATION PERIOD OF RECORD.....	1
DATA SOURCES.....	1
TERMS EXPLAINED.....	1
TIME CONVENTIONS.....	2
ABBREVIATIONS.....	2
SUMMARY DESCRIPTIONS.....	2
STATION HISTORY.....	3
PART A - ATMOSPHERIC PHENOMENA SUMMARIES.....	A-1-1
SPECIFIED PHENOMENA	
PERCENT OCCURRENCE FREQUENCY (FROM HOURLY OBS).....	A-2-1
PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	A-3-1
PERCENT OCCURRENCE FREQUENCY (THUNDERSTORMS).....	A-4-1
VERSUS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.....	A-5-1
PART B - PRECIPITATION, SNOWFALL, AND SNOW DEPTH.....	B-1-1
PRECIPITATION	
PERCENT OCCURRENCE FREQUENCY.....	B-2-1
MONTHLY TOTALS.....	B-2-2
DAILY EXTREMES.....	B-2-3
SNOWFALL	
PERCENT OCCURRENCE FREQUENCY.....	B-3-1
MONTHLY TOTALS.....	B-3-2
DAILY EXTREMES.....	B-3-3
SNOW DEPTH	
PERCENT OCCURRENCE FREQUENCY.....	B-4-1
DAILY EXTREMES.....	B-4-2
SNOWFALL/SNOW DEPTH	
FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR.....	B-5-1
PART C - SURFACE WIND	
PEAK WINDS (FROM SOD DATA).....	C-2-1
PEAK WINDS--PERCENT OCCURRENCE FREQUENCY (FROM SOD DATA).....	C-3-1
WIND DIRECTION VS WIND SPEED--POF (FROM HOURLY OBS).....	C-4-1
PART D - CEILING, VISIBILITY AN SKY COVER	
CEILING VS VISIBILITY--POF (FROM HOURLY OBS).....	D-2-1
SKY COVER--POF (FROM HOURLY OBS).....	D-3-1

PART E - TEMPERATURE AND RELATIVE HUMIDITY.....	E-1-1
TEMPERATURES--CUMULATIVE POF (FROM SOD DATA)	
MAXIMA.....	E-2-1
MINIMA.....	E-2-2
MEAN.....	E-2-3
MONTHLY TEMPERATURES (FROM SOD DATA)	
MAXIMA.....	E-3-1
MINIMA.....	E-3-2
MEAN.....	E-4-1
DRY BULB, WET BULB, DEW POINT TEMPERATURES (FROM HOURLY OBS)	
DRY BULB.....	E-5-1
WET BULB.....	E-5-2
DEW POINT.....	E-5-3
RELATIVE HUMIDITY (FROM HOURLY OBS)	
CUMULATIVE PERCENT OCCURRENCE FREQUENCY.....	E-6-1
PART F - PRESSURE (FROM HOURLY OBS).....	F-1-1
SEA LEVEL PRESSURE.....	F-2-1
ALTIMETER SETTING.....	F-3-1
STATION PRESSURE.....	F-4-1
PART G - CROSSWIND SUMMARIES (FROM HOURLY OBS).....	G-1-1
PERCENT OCCURRENCE FREQUENCY.....	G-2-1
PART H - DEGREE DAY SUMMARIES (FROM HOURLY OBS).....	H-1-1
HEATING DEGREE DAYS.....	H-2-1
COOLING DEGREE DAYS.....	H-3-1

\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JAN 79 - DEC 88 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 57 - DEC 88 (FULL TIME).

SUMMARY OF DAY DATA: JAN 49 - DEC 56 (PART TIME).

HOURS SUMMARIZED: 00 - 23 LST (EXCEPT 18 HRS/DAY JAN 49 - DEC 56).

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 700860		STATION NAME BARTER ISLAND AK		LATITUDE N 70 08		LONGITUDE W 143 38		FLD ELEV (FT) 49		CALL SIGN BTI		WMO NMBR 70086	
STATION LOCATION AND INSTRUMENTATION HISTORY													
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY				
			From	To			FLD (FT)	BARO (FT)					
1	Barter Island AFS, AK	AFS	Oct 47	Dec 56	N 70 07	W 143 40	20	21	18				
2	Barter Island MAP, AK	WB	Jan 57	Jul 70	N 70 08	W 143 38	49	50	24				
3	Same *	WB	Aug 70	Jan 89	Same	Same	Same	39	24				
4	Barter Island, AK	AFS	Feb 89	Jul 90	Same	Same	Same	Same	4				
*NWS STN DEACTIVATED 12 JAN 89 STN REAC FEB 89 USING AWS FORMS 10B													
SURFACE WIND EQUIPMENT INFORMATION													
Nbr of Loc	Date of Change	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE							
1	Oct 47	Atop RAWIN shelter	AN/GMQ-1	N/A	25 ft								
2	Mar 56	Atop weather station	Same	N/A	27 ft								
3	Jan 57	On mast on ground	F-420B	N/A	21 ft								
4	Sep 57	Same	Same	N/A	22 ft								
5	Oct 59	Same	F-420D	N/A	20 ft								
6	Jul 76	Same	Same	F312	Same								
7	Mar 78	Same	Same	Same	30 ft								
8	Jul 90	Same	Unkn	Unkn	Unkn								



PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRR	TT	AA AA
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

## PART A

### ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

#### SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02				16.4		16.4	11.5		23.3		51.1	880
03-05				16.7		16.7	9.9		23.8		50.4	903
06-08				18.4		18.4	8.6		25.3		52.3	897
09-11				15.1		15.1	8.7		23.1		46.9	896
12-14			.2	13.4		13.6	12.3		21.6		47.5	880
15-17			.1	13.1		13.3	13.3		20.5		47.0	883
18-20				14.7		14.7	13.8		23.3		51.7	748
21-23				17.6		17.6	13.3		27.2		58.0	746
ALL HOURS			.0	15.7		15.7	11.3		23.4		50.4	6833

MONTH: FEB

00-02				14.1		14.1	9.3		18.5		41.9	804
03-05				16.9		16.9	9.8		20.2		46.9	836
06-08			.2	15.0		15.3	10.1		20.4		45.7	825
09-11		.1	.4	13.4		13.9	13.7		20.2		47.8	833
12-14				12.4		12.4	14.2		18.4		45.1	830
15-17				11.9		11.9	13.1		16.8		41.8	833
18-20			.3	13.2		13.5	12.9		17.3		43.7	711
21-23			.3	11.0		11.3	10.0		18.5		39.8	698
ALL HOURS		.0	.1	13.5		13.7	11.7		18.8		44.2	6370

A - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02				13.7		13.7	8.4	.1	12.3		34.5	881
03-05				14.8		14.8	9.7		12.4		36.8	922
06-08				13.9		13.9	9.0		13.1		36.0	921
09-11				12.9		12.9	10.7		14.6		38.3	915
12-14				10.9		10.9	11.5		14.6		37.0	918
15-17				9.9		9.9	11.9	.2	15.2		37.2	917
18-20				11.9		11.9	12.1	.4	12.1		36.5	825
21-23				14.7		14.7	10.1	.4	12.1		37.2	803
ALL HOURS				12.8		12.8	10.4	.1	13.3		36.7	7102

MONTH: APR

00-02			.6	16.0		16.6	14.4		6.4		37.4	856
03-05			.8	16.3		17.1	16.3		6.1		39.4	890
06-08			.9	18.2		19.1	16.6		7.2		43.0	883
09-11			1.4	16.7		18.0	15.8		8.2		42.0	888
12-14			.2	14.9		15.1	11.9		8.9		35.9	881
15-17		.3		12.9		13.2	10.1		7.8		31.2	879
18-20		.1		15.5		15.7	10.8		7.5		34.0	830
21-23			.1	16.0		16.1	13.0		7.5		36.6	805
ALL HOURS		.1	.5	15.8		16.4	13.7		7.5		37.5	6912

A - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		1.3	1.8	22.1		25.2	31.8		2.4		59.4	902
03-05		1.3	1.7	24.1		27.1	34.4		2.4	.1	64.0	909
06-08		.9	.7	21.0		22.6	33.3		2.4		58.3	900
09-11		1.3	.4	17.3		19.1	28.2		3.5		50.8	905
12-14		.4	.2	16.3		17.0	18.6		3.7		39.3	896
15-17		.3		16.3		16.7	15.9		3.5		36.1	912
18-20		.4	.2	16.3		17.0	17.1		2.9		37.0	900
21-23		.7	.7	19.0		20.3	23.8		2.8		46.9	902
ALL HOURS		.8	.7	19.1		20.6	25.4		3.0	.0	49.0	7226

MONTH: JUN

00-02		9.2	1.4	6.3		17.0	33.9				50.9	867
03-05		9.7	1.8	7.4		18.9	35.5	.1			54.6	867
06-08		10.7	.9	8.1		19.7	36.4				56.2	867
09-11		8.8	.7	4.8		14.3	24.0				38.2	876
12-14		4.5		4.2		8.7	16.0				24.7	867
15-17		7.0		4.3		11.3	19.7				31.0	883
18-20		6.2		5.0		11.2	21.3				32.5	873
21-23		5.7	.5	5.0		11.2	26.7				37.8	878
ALL HOURS		7.7	.7	5.6		14.0	26.7	.0			40.7	6978

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		16.7	.1	.6		17.3	33.0				50.4	905
03-05		21.0	.2	.8		22.0	37.7				59.7	913
06-08		19.7	.1	1.3		21.1	37.9	.1			59.1	916
09-11		15.0	.2	1.2		16.5	28.5	.1			45.0	917
12-14		11.7		1.0		12.7	26.0				38.6	909
15-17		10.2		.1		10.4	22.2				32.6	908
18-20	.4	11.6		.4		12.0	24.8				36.8	905
21-23		12.8		.4		13.2	29.1				42.3	917
ALL HOURS	.1	14.8	.1	.7		15.7	29.9	.0			45.6	7290

MONTH: AUG

00-02		23.2	.4	6.8		30.5	33.3				63.8	922
03-05		23.6	1.1	6.8		31.5	34.6				66.1	925
06-08		24.3	.9	7.2		32.5	36.4		.2		69.1	912
09-11		20.0	.8	5.1		25.9	31.2		.3		57.4	920
12-14		17.8	.4	4.2		22.4	27.7		.2		50.3	906
15-17		17.0	.3	5.4		22.8	28.3				51.1	918
18-20		15.9	.7	5.7		22.4	28.2				50.6	854
21-23		18.3	.8	6.8		25.9	30.1				56.1	856
ALL HOURS		20.1	.7	6.0		26.8	31.3		.1		58.1	7213

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		9.1	3.1	21.3		33.5	31.7		1.8	.3	67.4	889
03-05		9.3	3.0	19.5		31.8	35.5		1.5	.3	69.2	892
06-08		7.8	3.1	19.5		30.4	37.7		1.7	.3	70.2	885
09-11		9.1	1.2	18.9		29.2	33.4		1.8		64.4	890
12-14		8.3	.6	17.2		26.1	28.7		1.9		56.8	888
15-17		8.1		17.6		25.8	29.6		1.7	.2	57.3	896
18-20		10.0	.7	20.2		30.9	30.8		1.8	.3	63.8	868
21-23		9.0	2.4	22.9		34.3	32.3		1.7	.3	68.7	869
ALL HOURS		8.8	1.8	19.6		30.2	32.5		1.7	.2	64.7	7077

MONTH: OCT

00-02		.7	.8	39.1		40.5	16.4		16.4		73.2	911
03-05		.5	1.2	37.5		39.3	18.4		15.7		73.4	917
06-08		.3	1.9	33.3		35.5	15.8		14.6		65.9	916
09-11		.3	1.6	30.7		32.6	18.1		13.8		64.5	916
12-14			1.7	32.5		34.2	17.7		12.4		64.3	917
15-17		.3	1.0	36.5		37.8	22.3		13.0		73.1	915
18-20		.4	1.1	36.6		38.1	22.4		12.3		72.8	795
21-23		.4	1.1	38.6		40.1	19.3		14.3		73.7	798
ALL HOURS		.4	1.3	35.5		37.2	18.7		14.1		70.0	7085

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		.1		25.7		25.8	7.7		14.6		48.1	842
03-05		.1	.1	25.2		25.5	7.7		15.7		48.8	860
06-08				24.8		24.8	6.6		16.0		47.4	860
09-11			.2	24.3		24.6	8.4		14.4		47.4	879
12-14			.1	22.5		22.6	11.5		13.7		47.7	864
15-17			.1	23.0		23.1	12.6		16.1		51.8	878
18-20		.1		27.9		28.1	10.0		15.8		53.9	809
21-23		.2	.4	27.5		28.1	7.6		16.0		51.7	818
ALL HOURS		.1	.1	25.1		25.3	9.0		15.3		49.6	6810

MONTH: DEC

00-02			.2	19.0		19.2	5.9		19.0		44.2	894
03-05				21.5		21.5	8.1		18.4		48.0	916
06-08			.1	21.0		21.1	8.5		18.0		47.6	913
09-11				18.6		18.6	6.8		17.2		42.5	915
12-14				13.8		13.8	6.0		12.8		32.6	904
15-17			.3	14.9		15.3	6.9		14.0	.1	36.3	910
18-20			.4	19.4		19.8	6.3		17.5		43.6	794
21-23			.4	19.4		19.7	7.3		18.9		45.9	795
ALL HOURS			.2	18.4		18.6	7.0		16.9	.0	42.5	7041

A - 2 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN			.0	15.7		15.7	11.3		23.4		50.4	6833
FEB		.0	.1	13.5		13.7	11.7		18.8		44.2	6370
MAR				12.8		12.8	10.4	.1	13.3		36.7	7102
APR		.1	.5	15.8		16.4	13.7		7.5		37.5	6912
MAY		.8	.7	19.1		20.6	25.4		3.0	.0	49.0	7226
JUN		7.7	.7	5.6		14.0	26.7	.0			40.7	6978
JUL	.1	14.8	.1	.7		15.7	29.9	.0			45.6	7290
AUG		20.1	.7	6.0		26.8	31.3		.1		58.1	7213
SEP		8.8	1.8	19.6		30.2	32.5		1.7	.2	64.7	7077
OCT		.4	1.3	35.5		37.2	18.7		14.1		70.0	7085
NOV		.1	.1	25.1		25.3	9.0		15.3		49.6	6810
DEC			.2	18.4		18.6	7.0		16.9	.0	42.5	7041
ANNUAL	.0	4.5	.5	15.6		20.7	19.1	.0	9.3	.0	49.2	83937

A - 2 - 7



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		1.4	.5	54.2		55.2	31.5	.3	47.4		80.4	1227
FEB		.7	.4	52.3		52.7	31.1	.4	39.8		77.0	1119
MAR		.1		51.5		51.5	31.5	.6	34.1		73.1	1240
APR		1.8	1.2	53.3		54.1	39.3	.3	18.8		69.9	1200
MAY	.1	16.9	11.0	63.6		69.4	68.0		11.5		86.9	1239
JUN	.3	43.6	8.0	29.4		60.9	69.3	.2	.1		82.3	1200
JUL	.4	56.9	1.6	8.5		59.5	71.4	.2			83.8	1240
AUG	.2	63.3	4.1	17.4		69.4	76.4	.2	.9		88.5	1233
SEP		40.8	9.8	48.5		74.4	64.0	.2	4.7	.2	86.3	1193
OCT		9.5	7.0	74.6		77.2	45.7	.2	27.4		87.1	1206
NOV		2.5	2.0	64.2		64.4	31.8	.3	38.4		81.4	1167
DEC		.5	.3	61.4		61.5	24.1	.2	38.6		77.7	1229
ANNUAL	.1	20.0	3.8	48.1		62.6	48.8	.2	21.7	.0	81.2	14493

A - 3 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08												
09-11												
12-14												
15-17												
18-20							.4					
21-23												
ALL HOURS							.1					
TOTAL OBS	6833	6370	7102	6912	7226	6978	7290	7213	7077	7085	6810	7041

A - 4 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP								
FREEZING PRECIP						100.0		4
FROZEN PRECIP	2.5		4.0	38.0	2.9	22.6	30.1	1121
FOG	4.8		4.2	52.5	5.6	16.4	16.4	786
FOG WITH VIS GE 1/2 MILES	4.2		3.7	54.1	4.9	15.8	17.2	708
TOTAL OBS	199	0	169	3496	286	1421	1243	6814

MONTH: FEB HOURS: ALL

TSTMS								
LIQUID PRECIP							100.0	1
FREEZING PRECIP				30.0		40.0	30.0	10
FROZEN PRECIP	2.6		1.6	26.0	2.4	20.4	47.1	882
FOG	1.8		1.1	40.2	2.5	17.5	37.0	733
FOG WITH VIS GE 1/2 MILES	1.6		1.3	34.3	2.6	19.9	40.3	618
TOTAL OBS	234	0	154	1935	226	2051	1757	6357

A - 5 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP								
FREEZING PRECIP								
FROZEN PRECIP	1.0		12.3	38.3	.9	14.0	33.6	941
FOG	1.0		10.7	47.6	1.4	10.2	29.0	693
FOG WITH VIS GE 1/2 MILES	.8		11.7	48.7	1.1	10.1	27.6	633
TOTAL OBS	168	0	393	3047	220	1808	1447	7083

MONTH: APR HOURS: ALL

TSTMS								
LIQUID PRECIP						100.0		4
FREEZING PRECIP			5.7	65.7		5.7	22.9	35
FROZEN PRECIP	1.4		10.9	37.9	.9	19.0	29.8	1119
FOG	2.9		9.9	40.7	1.1	19.8	25.6	935
FOG WITH VIS GE 1/2 MILES	2.3		10.0	41.9	.9	19.6	25.3	854
TOTAL OBS	182	0	397	3240	214	1707	1164	6904

A - 5 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP			1.6	35.9	7.8	23.4	31.3	64
FREEZING PRECIP	1.9		13.0	40.7	3.7	1.9	38.9	54
FROZEN PRECIP	1.7		14.7	47.9	2.2	11.4	22.0	1417
FOG	1.8		12.2	60.0	2.9	8.3	14.7	1894
FOG WITH VIS GE 1/2 MILES	1.5		12.2	61.2	2.4	7.8	14.9	1644
TOTAL OBS	106	0	734	4254	201	778	1136	7209

MONTH: JUN HOURS: ALL

TSTMS								
LIQUID PRECIP	1.2		13.8	54.8	1.1	10.5	18.6	564
FREEZING PRECIP			10.6	78.7			10.6	47
FROZEN PRECIP	1.0		28.2	40.1	1.7	7.1	21.9	411
FOG	.9		16.9	63.0	1.0	3.1	15.1	1907
FOG WITH VIS GE 1/2 MILES	.7		15.7	64.6	1.0	3.0	14.9	1454
TOTAL OBS	46	0	1039	4292	126	327	1144	6974

A - 5 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS			50.0		50.0			4
LIQUID PRECIP	.8		14.5	31.6	3.2	14.8	35.1	1190
FREEZING PRECIP				42.9			57.1	7
FROZEN PRECIP			9.3	3.7	1.9	9.3	75.9	54
FOG	1.0		19.7	49.5	.5	4.5	24.8	2247
FOG WITH VIS GE 1/2 MILES	1.0		20.0	46.6	.4	5.1	26.8	1364
TOTAL OBS	69	0	1107	3520	222	565	1789	7272

MONTH: AUG HOURS: ALL

TSTMS								
LIQUID PRECIP	2.1		16.8	28.2	4.0	17.9	31.1	1558
FREEZING PRECIP			16.3	34.7		8.2	40.8	49
FROZEN PRECIP	.9		11.0	14.4	.9	7.8	65.0	437
FOG	1.9		18.7	42.0	1.4	8.4	27.6	2286
FOG WITH VIS GE 1/2 MILES	1.8		16.2	38.1	1.6	10.0	32.3	1484
TOTAL OBS	119	0	882	2671	408	999	2130	7209

A - 5 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP	.8		18.0	55.2	2.2	7.7	16.2	649
FREEZING PRECIP	3.9		10.9	50.4	1.6	4.7	28.7	129
FROZEN PRECIP	.4		24.3	31.0	2.4	10.0	31.8	1434
FOG	3.5		16.0	51.3	2.2	6.3	20.7	2327
FOG WITH VIS GE 1/2 MILES	1.7		17.6	49.2	2.7	7.0	21.8	1561
TOTAL OBS	139	0	806	2951	564	1004	1610	7074

MONTH: OCT HOURS: ALL

TSTMS								
LIQUID PRECIP			3.8	38.5	3.8	46.2	7.7	26
FREEZING PRECIP			6.4	48.9	8.5	28.7	7.4	94
FROZEN PRECIP	.5		10.8	34.6	2.5	21.9	29.8	2567
FOG	1.6		8.9	43.7	5.4	18.8	21.7	1330
FOG WITH VIS GE 1/2 MILES	1.2		9.4	44.1	4.7	18.1	22.4	1222
TOTAL OBS	50	0	438	2755	569	1644	1625	7081

A - 5 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS								
LIQUID PRECIP						50.0	50.0	6
FREEZING PRECIP				33.3	55.6		11.1	9
FROZEN PRECIP	1.1		10.4	39.7	3.0	16.7	29.1	1751
FOG	3.6		7.9	47.6	5.0	14.7	21.1	617
FOG WITH VIS GE 1/2 MILES	1.4		8.7	47.7	4.5	14.8	22.9	554
TOTAL OBS	155	0	343	3381	321	1343	1253	6796

MONTH: DEC HOURS: ALL

TSTMS								
LIQUID PRECIP								
FREEZING PRECIP					8.3		91.7	12
FROZEN PRECIP	1.4		5.2	35.5	1.6	15.6	40.6	1317
FOG	1.2		4.9	57.6	3.3	8.4	24.7	490
FOG WITH VIS GE 1/2 MILES	1.4		5.3	58.0	1.8	7.1	26.5	438
TOTAL OBS	253	0	207	2781	343	1630	1818	7032



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 139	140 - 209	210 - 279	280 - 359	NO OF OBS
TSTMS			50.0		50.0			4
LIQUID PRECIP	1.3		15.5	37.3	3.1	14.7	28.0	4062
FREEZING PRECIP	1.3		9.3	48.7	4.0	10.7	26.0	450
FROZEN PRECIP	1.2		11.5	36.0	2.1	16.5	32.7	13451
FOG	2.1		13.5	50.4	2.3	9.5	22.3	16245
FOG WITH VIS GE 1/2 MILES	1.6		12.7	49.7	2.2	10.4	23.3	12534
TOTAL OBS	1720	0	6669	38323	3700	15277	18116	83805

A - 5 - 7



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPP	AA AA	RRRRRRR	TT	BBBBBBBBB
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	BBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

B - 1 - 1

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	45.1	47.2	48.5	45.8	30.8	39.1	40.4	30.8	26.3	22.7	35.9	38.9	37.6
TRACE	37.9	36.5	35.8	35.8	49.4	41.3	33.2	31.8	41.1	37.7	38.8	43.0	38.5
.01	4.4	5.7	6.0	6.6	8.0	4.3	4.0	6.7	8.8	9.6	6.8	4.4	6.3
.02-.05	7.3	7.0	6.7	9.7	7.7	7.8	8.7	14.1	12.8	16.7	10.7	9.8	9.9
.06-.10	2.3	2.0	1.3	1.3	1.9	2.0	4.5	6.2	4.3	7.7	4.6	2.0	3.4
.11-.25	1.9	1.4	1.4	.5	1.5	4.1	5.4	6.9	4.9	4.2	2.8	1.5	3.0
.26-.50	.6	.2	.3	.3	.6	1.1	2.8	2.7	1.2	1.1	.4	.2	1.0
.51-1.00	.2		.1		.2	.2	.7	.8	.6	.2		.1	.3
1.01-2.50	.2					.1	.2		.1	.1			.0
2.51-5.00													
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	16.9	16.3	15.7	18.3	19.8	19.6	26.4	37.4	32.7	39.6	25.3	18.1	23.9
TOTAL NO. OF OBSERVATIONS	1239	1129	1240	1200	1239	1200	1240	1240	1200	1240	1200	1239	14606

B - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	.15	.15	.25	.05	.11	.30	.17	.33	.32	.13	.56	1.17	3.6
50	1.62	.16	.09	.13	.60	.76	1.60	.62	.32	1.13	1.50	.16	8.6
51	.14	.14	.04	.34	.21	.63	.67	.82	.46	.96	.88	.20	5.4
52	.09	TRACE	.27	.18	.29	.69	1.60	1.39	.59	1.61	.74	.27	7.7
53	.08	.26	.11	.27	.38	1.24	.49	1.66	.73	1.71	.27	.11	7.3
54	2.89	.18	.33	.31	1.13	.40	.96	.37	4.90	3.09	.74	.50	15.8
55	.14	1.63	.51	.32	.63	.71	1.45	3.40	1.42	.36	.29	.54	11.4
56	.09	.10	.26	.05	.15	2.09	.80	2.14	.29	.26	.20	.17	6.6
57	.83	.49	.23	.05	.05	.19	.96	1.61	2.99	1.18	.24	.25	9.0
58	.29	.14	.42	.62	.08	.17	.15	.16	.71	.42	.39	.16	3.7
59	.01	.58	.16	.08	.17	.13	1.96	1.65	.13	.30	.24	.03	5.4
60	.25	.08	.12	.23	.08	.50	.71	.68	.75	.62	.04	TRACE	4.0
61	.07	.07	.27	.24	.17	.80	2.79	1.09	.87	.97	.15	.17	7.6
62	4.08	.73	.08	.13	.17	.13	1.56	1.02	1.06	.28	.19	.36	9.7
63	1.79	.22	.37	1.22	.09	.14	1.48	1.50	.12	1.31	.50	.21	8.9
64	.08	.14	TRACE	.23	.41	.55	.50	1.50	.43	.55	.28	.45	5.1
65	.13	TRACE	.27	.21	.49	.08	1.58	1.44	.51	.39	.73	.68	6.5
66	.05	.18	.21	.05	.18	.72	1.61	2.25	1.50	.88	.83	.58	9.0
67	.32	.08	1.44	.35	1.51	.98	2.59	.34	.72	.42	.48	.36	9.5
68	.73	.23	TRACE	TRACE	.88	1.31	.30	.83	.32	.20	.67	.22	5.6
69	.02	.12	.06	.10	.06	.06	.90	1.50	.07	.12	.60	.16	3.7
70	.05	.65	.49	.13	.12	.11	.32	.50	.43	.90	.27	.25	4.2
71	.55	.01	.09	.06	.16	.18	3.01	.42	.91	1.19	.64	.21	7.4
72	.33	.16	.33	.07	.45	.60	.70	.54	.44	.70	.16	.19	4.6
73	.37	.05	TRACE	.19	.59	.51	.39	.86	.67	.47	.11	.01	4.2
74	.09	.04	TRACE	.05	.16	.82	.55	.75	.18	.13	.09	.07	2.9
75	.14	.18	.02	.20	.02	.32	.48	.33	.54	.54	.30	.23	3.3
76	.21	.32	.88	.19	1.17	.46	.41	.25	.20	.52	.31	.10	5.0
77	.19	.15	.05	.29	.14	.55	TRACE	.53	.17	.98	.12	.16	3.3
78	.18	.15	.08	.11	.08	.59	.18	.63	.51	.70	.24	.15	3.6
79	.14	.02	.11	.23	.18	.65	.78	1.16	.75	1.41	.86	.30	6.9
80	.30	.26	.32	.12	.09	.12	1.03	1.23	.70	.15	.15	.07	4.5

B - 2 - 2A

Best Available Copy

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.21	.03	.20	.04	.12	.07	.60	1.48	.84	.68	.21	TRACE	4.48
82	.02	.10	.12	.15	.03	.90	.46	1.02	1.72	.27	.06	.02	4.87
83	TRACE	.11	.02	.04	.38	.51	.71	.92	.76	.19	.28	.06	3.98
84	.22	TRACE	.08	.13	.18	.07	1.68	2.00	.17	1.17	.27	.66	6.63
85	.73	.15	.21	.06	.11	.12	.75	.20	1.23	.39	.23	.47	4.65
86	.25	.07	.02	TRACE	.11	.03	1.03	1.41	.32	1.03	.10	.47	4.84
87	.07	.02	.11	.06	.10	.31	.66	1.16	.76	.97	1.15	.20	5.57
88	.14	.07	.06	.02	.07	.45	.62	1.80	.44	.67	.24	.24	4.82
LEAST	TRACE	TRACE	TRACE	TRACE	.02	.03	TRACE	.16	.07	.12	.04	TRACE	2.93
GREATEST	4.08	1.63	1.44	1.22	1.51	2.09	3.01	3.40	4.90	3.09	1.50	1.17	15.80
MEAN	.45	.20	.22	.18	.30	.50	.98	1.09	.77	.75	.41	.26	6.12
MEDIAN	.17	.14	.12	.13	.17	.48	.73	1.02	.57	.65	.28	.21	5.28
SD	.813	.287	.266	.209	.342	.418	.721	.679	.858	.573	.324	.232	2.637
TOTAL OBS	1239	1129	1240	1200	1239	1200	1240	1240	1200	1240	1200	1239	14606

THE GREATEST VALUE OF 4.90 OCCURRED ON 09/54

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	.03	.05	.10	.03	.06	.11	.09	.14	.22	.03	.25	.52	.52
50	.25	.09	.03	.05	.22	.50	1.13	.27	.11	.35	.24	.05	1.13
51	.06	.10	.04	.17	.04	.27	.20	.25	.20	.26	.32	.05	.32
52	.04	TRACE	.05	.06	.11	.24	.74	.58	.30	.26	.22	.15	.74
53	.03	.06	.04	.17	.23	.26	.18	.33	.15	.15	.05	.03	.33
54	1.08	.05	.14	.11	.73	.21	.56	.09	2.04	1.98	.43	.16	2.04
55	.09	.32	.29	.06	.25	.18	.59	.72	.50	.08	.17	.33	.72
56	.05	.10	.24	.03	.06	1.15	.16	.61	.16	.15	.09	.07	1.15
57	.18	.18	.12	.03	.04	.09	.25	.34	.91	.17	.08	.13	.91
58	.10	.08	.09	.27	.02	.08	.13	.12	.17	.08	.10	.03	.27
59	.01	.21	.05	.03	.07	.13	.49	.56	.04	.09	.24	.02	.56
60	.08	.04	.10	.04	.04	.11	.29	.16	.21	.14	.02	TRACE	.29
61	.04	.04	.08	.12	.14	.36	.76	.41	.28	.09	.03	.08	.76
62	2.25	.20	.02	.04	.10	.06	.69	.49	.35	.12	.12	.08	2.25
63	.84	.08	.15	.44	.03	.07	.28	.27	.11	.16	.13	.10	.84
64	.03	.05	TRACE	.10	.15	.20	.32	.63	.19	.22	.06	.22	.63
65	.05	TRACE	.07	.04	.17	.03	.55	.34	.16	.07	.22	.14	.55
66	.03	.09	.10	.02	.11	.66	.70	.75	.33	.32	.23	.31	.75
67	.10	.06	.54	.15	.53	.36	.63	.14	.35	.24	.24	.11	.63
68	.38	.14	TRACE	TRACE	.39	.35	.30	.52	.12	.06	.21	.15	.52
69	.02	.08	.03	.04	.02	.03	.28	.39	.03	.03	.30	.05	.39
70	.02	.38	.15	.03	.05	.09	.14	.12	.13	.31	.11	.09	.38
71	.36	.01	.06	.04	.07	.07	1.64	.16	.27	.53	.25	.08	1.64
72	.25	.05	.14	.04	.18	.30	.19	.20	.07	.36	.05	.05	.36
73	.32	.05	TRACE	.06	.31	.30	.22	.32	.26	.14	.03	.01	.32
74	.03	.02	TRACE	.05	.07	.42	.23	.26	.10	.04	.04	.03	.42
75	.03	.05	.01	.07	.02	.15	.35	.06	.13	.18	.07	.21	.35
76	.07	.10	.28	.04	.42	.19	.19	.16	.05	.10	.09	.04	.42
77	.05	.07	.01	.09	.07	.20	TRACE	.14	.06	.23	.03	.05	.23
78	.04	.09	.03	.05	.02	.31	.08	.24	.13	.09	.07	.04	.31
79	.03	.01	.05	.10	.05	.38	.33	.36	.64	.54	.31	.22	.64
80	.13	.11	.30	.06	.03	.07	.35	.22	.22	.05	.03	.04	.35

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.07	.02	.12	.03	.03	.07	.17	.48	.31	.18	.13	TRACE	.48
82	.02	.05	.06	.03	.02	.21	.17	.26	.77	.08	.04	.02	.77
83	TRACE	.05	.01	.04	.35	.25	.27	.31	.18	.06	.09	.03	.35
84	.10	TRACE	.05	.04	.08	.05	.52	.88	.07	.48	.21	.19	.88
85	.23	.10	.13	.04	.07	.05	.33	.06	.35	.10	.13	.13	.35
86	.09	.05	.01	TRACE	.05	.03	.23	.35	.09	.30	.06	.23	.35
87	.05	.02	.05	.02	.10	.28	.32	.23	.30	.35	.27	.07	.35
88	.06	.03	.02	.02	.01	.17	.33	.37	.13	.30	.11	.09	.37

GREATEST	2.25	.38	.54	.44	.73	1.15	1.64	.88	2.04	1.98	.43	.52	2.25
TOTAL OBS	1239	1129	1240	1200	139	1200	1240	1240	1200	1240	1200	1239	14606

THE GREATEST VALUE OF 2.25 OCCURRED ON 01/18/62

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL
NONE	45.3	47.5	48.5	46.6	36.1	70.5	91.4	82.6	51.8	24.9	36.0	38.8	51.1
TRACE	37.9	35.2	35.0	33.7	44.4	21.5	6.8	10.2	28.2	35.8	38.4	42.1	30.1
0.1-0.4	9.2	11.9	11.5	15.0	14.5	5.0	.8	3.6	11.2	22.1	14.5	12.3	11.1
0.5-1.4	5.2	3.9	3.7	4.0	3.4	1.9	.7	2.7	5.6	12.2	8.2	4.6	4.1
1.5-2.4	1.1	1.4	.8	.5	1.0	.6	.2	.6	1.7	3.2	1.7	1.6	1.1
2.5-3.4	.3	.1	.2	.2	.4	.3	.1	.3	.6	.7	.8	.3	
3.5-4.4	.6	.1	.1	.1	.2	.1			.3	.2	.1	.1	
4.5-6.4	.1		.1			.1			.5	.6	.3	.1	
6.5-10.4	.1				.1				.2	.2			
10.5-15.4	.2												
15.5-25.4									.1	.1			
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	16.9	17.4	16.5	19.8	19.5	8.0	1.9	7.2	20.1	39.3	25.6	19.0	17.1
TOTAL NO. OF OBSERVATIONS	1239	1129	1240	1200	1239	1200	1240	1240	1197	1238	1200	1239	1464

B - 3 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	1.5	1.5	2.5	.5	1.0	1.9	TRACE	.0	.1	3.0	6.3	11.7	30.0
50	16.2	1.6	.9	1.3	6.0	1.4	.0	TRACE	1.8	11.2	14.9	1.6	56.9
51	1.4	1.4	.4	3.5	2.1	4.0	TRACE	.0	TRACE	14.1	6.5	2.0	35.4
52	.9	TRACE	2.7	2.4	3.7	4.4	.1	TRACE	5.0	15.5	7.5	2.7	44.9
53	.8	2.6	1.1	2.7	1.5	TRACE	TRACE	4.1	5.9	13.8	2.7	.9	36.1
54	28.8	1.8	3.3	3.1	11.1	.6	1.5	.0	35.8	32.2	7.1	5.0	130.3
55	1.4	15.3	5.0	3.2	6.7	2.5	TRACE	2.9	12.7	3.6	3.1	5.4	61.8
56	.9	TRACE	2.6	.5	3.3	.2	.2	7.6	2.9	2.5	2.0	2.9	25.7
57	9.8	6.3	2.1	.5	.1	.9	TRACE	.0	19.5	10.8	2.4	2.5	54.9
58	2.9	1.4	4.5	3.6	.6	TRACE	.0	.0	2.6	5.1	4.4	1.7	26.8
59	.2	6.4	1.7	.9	1.8	TRACE	2.5	1.9	1.1	3.0	3.0	.3	22.8
60	2.5	.8	1.2	2.3	.8	3.1	.4	2.9	6.0	16.1	.4	TRACE	36.5
61	.9	3.1	4.2	4.6	2.1	.8	.6	TRACE	4.4	13.4	1.6	2.3	38.0
62	35.0	8.4	.8	1.9	2.3	.7	TRACE	1.7	9.7	2.8	1.9	3.6	68.8
63	10.5	2.2	3.7	12.2	.9	.3	.7	.2	1.2	12.9	5.6	2.3	52.7
64	.8	1.4	TRACE	2.5	4.3	2.9	2.2	3.5	1.4	6.1	2.9	4.5	32.5
65	1.3	TRACE	2.7	2.1	4.9	.7	.5	1.4	3.4	5.1	6.5	12.9	41.5
66	1.7	5.6	6.0	.9	3.3	TRACE	TRACE	1.7	4.0	12.9	13.1	7.3	56.5
67	3.2	1.0	15.0	4.9	7.3	.1	TRACE	TRACE	4.5	2.8	7.4	5.4	51.6
68	8.4	2.9	TRACE	.7	4.3	7.3	.0	.7	3.5	2.7	12.1	4.2	46.8
69	.4	1.8	1.1	3.1	2.1	.5	1.1	7.4	.8	3.3	4.2	2.1	27.9
70	.8	6.8	5.4	1.4	.4	.3	.2	1.0	3.8	8.4	3.1	3.3	34.9
71	5.8	.1	1.3	.6	1.6	1.2	TRACE	TRACE	13.9	20.0	11.1	3.5	59.1
72	5.1	2.1	3.8	.7	4.2	1.1	.0	TRACE	4.3	7.5	2.9	2.1	33.8
73	3.7	.5	TRACE	4.8	4.3	1.2	TRACE	TRACE	3.6	6.8	1.1	.1	26.1
74	.5	.7	TRACE	.5	3.3	9.4	3.0	1.9	1.1	3.9	1.7	2.3	28.3
75	2.5	3.5	.8	4.1	.2	.4	3.8	1.3	6.9	6.9	3.0	2.3	35.7
76	2.1	3.2	9.0	2.7	11.0	.9	1.9	TRACE	.9	5.2	3.0	1.0	40.9
77	1.9	1.5	.5	3.8	1.6	1.2	TRACE	.4	1.2	15.6	1.7	2.3	31.7
78	4.3	3.9	2.2	1.4	2.1	4.7	.0	1.8	4.4	14.5	4.8	2.3	46.4
79	2.7	.4	2.1	2.8	1.6	4.2	TRACE	.0	1.4	18.6	9.1	3.0	45.9
80	2.9	3.1	3.2	1.2	1.2	TRACE	TRACE	1.5	6.2	2.0	1.9	.9	24.1

B - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

TATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	2.5	.3	2.0	.4	1.4	TRACE	TRACE	5.0	10.3	7.5	2.5	TRACE	31.9
82	.2	1.0	2.2	4.2	.2	5.4	TRACE	TRACE	14.2	4.6	1.7	1.1	34.8
83	TRACE	2.2	.5	.9	6.0	.3	TRACE	.6	10.5	1.8	6.3	1.1	30.2
84	3.7	TRACE	.8	2.9	2.1	TRACE	.5	2.0	.6	13.1	3.1	7.9	36.7
85	11.2	2.6	3.1	1.0	.4	.1	.0	.1	4.6	3.3	3.9	5.7	36.0
86	3.5	2.3	.3	.3	3.7	TRACE	TRACE	1.8	1.1	17.2	1.4	7.8	39.4
87	.7	.8	4.3	1.3	1.4	.7	TRACE	2.3	4.5	18.4	20.2	3.6	58.2
88	2.0	1.3	1.1	.4	.9	.9	TRACE	7.1	3.5	10.9	6.5	3.0	37.6
LEAST	TRACE	TRACE	TRACE	.3	.1	TRACE	.0	.0	TRACE	1.8	.4	TRACE	22.8
GREATEST	35.0	15.3	15.0	12.2	11.1	9.4	3.8	7.6	35.8	32.2	20.2	12.9	130.3
MEAN	4.6	2.5	2.6	2.3	2.9	1.6	.5	1.6	5.6	9.5	5.1	3.4	42.2
MEDIAN	2.3	1.7	2.1	2.0	2.1	.8	TRACE	.9	3.9	7.5	3.1	2.4	36.6
SD	7.262	2.898	2.791	2.127	2.653	2.169	.933	2.100	6.588	6.658	4.235	2.886	18.371
TOTAL OBS	1239	1129	1240	1200	1239	1200	1240	1240	1197	1238	1200	1239	14601

THE GREATEST VALUE OF 35.8 OCCURRED ON 09/54

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	.3	.5	1.0	.3	.6	.6	TRACE	.0	.1	1.1	2.9	5.2	5.2
50	2.5	.9	.3	.5	2.2	.7	.0	TRACE	1.1	3.5	2.4	.5	3.5
51	.6	1.0	.4	1.7	.4	2.7	TRACE	.0	TRACE	3.0	2.2	.5	3.0
52	.4	TRACE	.5	.6	1.1	2.4	.1	TRACE	3.0	2.6	2.2	1.5	3.0
53	.3	.6	.4	1.7	.6	TRACE	TRACE	2.5	1.4	1.5	.5	.3	2.5
54	10.8	.5	1.4	1.1	7.3	.3	1.5	.0	16.1	16.0	4.3	1.6	16.1
55	.9	3.2	2.8	.6	2.5	1.2	TRACE	1.7	5.8	.8	1.7	3.3	5.8
56	.5	TRACE	2.4	.3	2.0	.1	.2	2.6	1.6	1.5	.9	1.6	2.6
57	1.8	2.0	1.0	.3	.1	.6	TRACE	.0	9.1	1.7	.8	1.3	9.1
58	1.0	.8	.9	.9	.2	TRACE	.0	.0	1.7	1.7	1.3	.4	1.7
59	.1	2.3	.5	.3	.7	TRACE	1.3	1.3	.3	.9	3.0	.2	3.0
60	.8	.4	1.0	.4	.4	1.1	.4	2.0	2.1	7.2	.2	TRACE	7.2
61	.6	1.7	1.0	2.3	1.4	.8	.6	TRACE	1.5	1.3	.3	1.0	2.3
62	14.8	2.3	.2	.7	1.5	.3	TRACE	.9	3.1	1.2	1.2	.8	14.8
63	3.7	.8	1.5	4.4	.3	.3	.4	.2	1.1	1.6	1.3	1.2	4.4
64	.3	.5	TRACE	1.0	1.5	1.6	1.3	2.7	.4	2.2	.6	2.2	2.7
65	.5	TRACE	.7	.4	1.7	.3	.5	1.3	1.0	1.9	2.2	3.0	3.0
66	.8	2.4	2.4	.3	2.1	TRACE	TRACE	1.1	2.1	5.6	4.5	3.3	5.6
67	1.0	.8	5.4	2.6	2.5	.1	TRACE	TRACE	2.6	1.1	5.0	2.0	5.4
68	4.3	1.3	TRACE	.5	3.0	3.4	.0	.3	1.5	.9	3.4	2.5	4.3
69	.4	1.0	.5	1.6	1.0	.3	1.0	2.2	.3	2.3	1.4	.6	2.3
70	.3	3.8	1.7	.4	.4	.3	.2	1.0	1.8	2.9	1.5	1.7	3.8
71	3.6	.1	1.0	.4	.7	.5	TRACE	TRACE	6.3	8.9	2.5	1.5	8.9
72	3.4	.7	1.4	.4	1.8	1.1	.0	TRACE	.7	3.9	1.1	.5	3.9
73	3.2	.5	TRACE	2.3	3.0	.7	TRACE	TRACE	2.3	1.7	.3	.1	3.2
74	.2	.4	TRACE	.5	2.0	5.4	1.8	1.0	.6	1.2	.6	.9	5.4
75	.6	1.0	.3	1.4	.2	.2	3.4	.6	3.3	2.0	.7	2.1	3.4
76	.7	1.0	2.8	1.0	4.0	.9	1.9	TRACE	.5	1.0	.9	.4	4.0
77	.5	.7	.1	1.3	.8	1.0	TRACE	.4	.6	5.6	.5	.7	5.6
78	1.2	1.9	.8	.6	.6	3.9	.0	1.2	1.6	1.8	1.4	.7	3.9
79	.6	.2	.9	1.0	1.0	3.3	TRACE	.0	1.2	5.6	3.1	2.2	5.6
80	1.2	1.1	3.0	.6	.3	TRACE	TRACE	1.1	2.0	.7	.5	.6	3.0

B - 3 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.7	.2	1.2	.3	.3	TRACE	TRACE	2.2	3.3	2.1	1.3	TRACE	3.3
82	.2	.5	1.0	.9	.2	3.0	TRACE	TRACE	7.8	1.3	.8	1.0	7.8
83	TRACE	.5	.3	.8	3.8	.3	TRACE	.4	3.2	.4	1.8	.6	3.8
84	2.1	TRACE	.5	1.0	.8	TRACE	.5	.7	.3	4.8	2.1	1.9	4.8
85	4.3	1.7	1.5	.8	.2	.1	.0	.1	2.2	.8	2.5	1.9	4.3
86	1.2	1.1	.1	.1	1.5	TRACE	TRACE	1.3	.6	4.8	.8	2.3	4.8
87	.5	.3	1.6	.6	1.4	.7	TRACE	1.2	2.5	7.1	6.1	1.6	7.1
88	1.1	.6	.3	.3	.2	.3	TRACE	3.4	1.8	5.5	2.5	1.0	5.5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
GREATEST	14.8	3.8	5.4	4.4	7.3	5.4	3.4	3.4	16.1	16.0	6.1	5.2	16.1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL OBS	1239	1129	1240	1200	1239	1200	1240	1240	1197	1238	1200	1239	14601
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

THE GREATEST VALUE OF 16.1 OCCURRED ON 09/18/54

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE					.1	39.8	94.0	91.5	51.4	1.2	.2		23.4
TRACE					4.9	29.7	5.2	5.3	26.8	14.1			7.1
1					5.0	8.6	.6	2.3	8.3	11.3	2.1		3.2
2					4.6	4.8	.2	.6	4.6	9.1	3.3		2.3
3	3.6	4.3	2.3	4.2	6.2	5.0		.2	1.8	10.2	7.0	1.4	3.8
4-6	16.6	11.1	10.5	11.3	19.0	5.3			4.3	26.4	29.3	24.5	13.2
7-12	40.1	39.1	35.9	37.2	28.5	4.0			1.9	21.5	44.6	48.9	25.1
13-24	31.1	35.1	36.5	31.4	24.9	2.0			1.0	6.2	13.6	21.5	16.8
25-36	7.9	7.8	9.8	12.2	6.1	.9						3.6	4.0
37-48	.6	2.7	5.0	3.8	.7								1.1
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	100.0	100.0	100.0	100.0	95.0	30.6	.8	3.1	21.8	84.7	99.8	100.0	69.5
TOTAL NO. OF OBSERVATIONS	1239	1129	1240	1200	1239	1200	1240	1240	1200	1240	1200	1239	14606

B - 4 - 1



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	13	14	16	14	14	8	1	0	0	5	12	26	26
50	43	43	43	44	40	12	0	0	1	10	24	25	44
51	26	28	28	28	7	2	0	0	TRACE	10	14	15	28
52	15	16	11	13	15	10	TRACE	0	1	7	14	17	17
53	13	14	15	13	10	4	0	1	1	9	11	11	15
54	36	25	27	29	30	5	2	0	20	24	21	26	36
55	26	40	47	47	36	35	TRACE	TRACE	7	4	8	14	47
56	14	14	16	17	18	17	1	2	1	3	5	9	18
57	18	24	26	26	17	5	TRACE	0	15	13	16	18	26
58	20	21	26	28	21	8	TRACE	0	3	5	6	6	28
59	6	11	11	11	11	3	1	1	1	7	10	10	11
60	12	13	14	16	15	4	0	1	2	13	9	7	16
61	8	10	12	9	8	TRACE	TRACE	0	2	8	6	6	12
62	33	26	22	12	8	TRACE	0	TRACE	4	5	4	10	33
63	20	21	25	34	34	9	TRACE	0	TRACE	10	15	14	34
64	13	13	10	11	12	1	TRACE	TRACE	TRACE	7	10	14	14
65	15	15	18	20	24	5	TRACE	1	2	3	8	20	24
66	21	26	31	31	31	12	0	TRACE	2	9	11	11	31
67	13	12	17	13	4	TRACE	0	TRACE	2	3	10	13	17
68	21	23	24	24	22	5	0	0	TRACE	1	9	6	24
69	6	4	5	6	3	1	TRACE	3	1	3	6	7	7
70	8	11	15	16	12	TRACE	0	TRACE	3	11	14	17	17
71	21	17	18	18	16	2	0	TRACE	11	15	20	20	21
72	20	18	16	16	16	9	0	0	2	11	13	9	20
73	9	9	9	12	16	1	0	0	4	8	6	4	16
74	4	4	4	4	6	4	2	1	1	3	4	4	6
75	5	6	5	8	8	3	1	0	4	4	5	6	8
76	8	8	10	6	10	6	TRACE	0	1	5	6	7	10
77	8	8	8	10	8	4	0	0	1	6	10	13	13
78	16	19	19	19	18	6	0	1	1	16	9	8	19
79	9	9	12	16	11	2	0	0	1	14	14	12	16
80	12	13	15	14	14	4	0	1	4	6	6	6	15

B - 4 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	8	8	9	9	8	TRACE	0	2	7	10	10	10	10
82	10	10	12	12	12	4	0	0	7	8	8	9	12
83	9	10	11	11	11	3	0	TRACE	2	2	9	9	11
84	8	8	8	9	8	TRACE	0	1	TRACE	5	3	10	10
85	14	14	9	11	11	TRACE	0	0	TRACE	2	3	7	14
86	5	4	4	3	4	1	0	2	1	9	3	9	9
87	9	8	12	13	13	3	0	1	2	10	11	12	13
88	6	7	7	7	6	3	TRACE	3	3	9	13	10	13
GREATEST	43	43	47	47	40	35	2	3	20	24	24	26	47
TOTAL OBS	1239	1129	1240	1200	1239	1200	1240	1240	1200	1240	1200	1239	14606

THE GREATEST VALUE OF 47 OCCURRED ON 03/07/55

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 4 - 2B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860 STATION NAME: BARTER ISLAND AK

PERIOD OF RECORD: 4901-8812  
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
48 - 49	JAN 01	JAN 13	JAN 01	JUL 26	JUN 30	JUL 01
49 - 50	SEP 07	SEP 16	OCT 03	JUN 10	JUN 10	JUN 19
50 - 51	AUG 15	SEP 20	SEP 25	JUL 02	JUN 30	JUN 12
51 - 52	SEP 15	OCT 06	OCT 06	JUL 24	JUL 15	JUN 22
52 - 53	AUG 20	SEP 04	SEP 06	JUL 18	MAY 29	JUN 07
53 - 54	AUG 13	AUG 14	AUG 15	JUL 19	JUL 11	JUL 11
54 - 55	SEP 12	SEP 17	SEP 17	JUL 29	JUN 20	JUN 27
55 - 56	AUG 01	AUG 12	SEP 02	JUL 22	JUL 18	JUL 05
56 - 57	AUG 01	AUG 01	AUG 11	JUL 21	JUN 25	JUN 18
57 - 58	SEP 09	SEP 10	SEP 11	JUN 07	MAY 12	JUN 13
58 - 59	SEP 15	SEP 28	SEP 29	JUL 31	JUL 28	JUL 28
59 - 60	AUG 02	AUG 03	AUG 04	JUL 25	JUL 24	JUN 13
60 - 61	AUG 20	AUG 22	AUG 29	JUL 13	JUL 04	MAY 31
61 - 62	AUG 23	SEP 21	SEP 26	JUL 23	JUN 29	MAY 31
62 - 63	AUG 22	AUG 30	SEP 06	JUL 29	JUL 13	JUN 10
63 - 64	AUG 03	AUG 10	OCT 01	JUL 19	JUL 19	JUN 25
64 - 65	AUG 15	AUG 15	OCT 13	JUL 21	JUL 20	JUN 17
65 - 66	AUG 24	AUG 25	AUG 29	JUL 26	MAY 28	JUN 12
66 - 67	AUG 09	AUG 30	SEP 01	JUL 31	JUN 28	MAY 18
67 - 68	AUG 01	SEP 03	SEP 16	JUN 22	JUN 20	JUN 20
68 - 69	AUG 28	AUG 28	OCT 15	JUL 28	JUL 23	JUN 09
69 - 70	AUG 02	AUG 02	AUG 08	JUL 08	JUL 08	MAY 22
70 - 71	AUG 28	AUG 30	SEP 17	JUL 31	JUN 30	JUN 02
71 - 72	AUG 03	SEP 03	SEP 04	JUN 29	JUN 28	JUN 09
72 - 73	AUG 31	SEP 11	SEP 20	JUL 22	JUN 23	JUN 23
73 - 74	AUG 13	SEP 26	SEP 27	JUL 08	JUL 07	JUL 06
74 - 75	AUG 13	AUG 18	AUG 19	JUL 28	JUL 28	JUL 27
75 - 76	AUG 05	AUG 05	SEP 06	JUL 10	JUL 07	JUN 11
76 - 77	AUG 08	SEP 29	SEP 30	JUL 03	JUN 29	JUN 06
77 - 78	AUG 26	AUG 31	SEP 30	JUN 25	JUN 23	JUN 24
78 - 79	AUG 05	AUG 14	AUG 26	JUL 11	JUN 26	JUN 26
79 - 80	SEP 12	SEP 15	SEP 16	JUL 25	MAY 24	JUN 10
80 - 81	AUG 16	AUG 28	AUG 31	JUL 14	MAY 30	MAY 28

B - 5 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK

PERIOD OF RECORD: 4901-8812

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
81 - 82	AUG 02	AUG 16	AUG 16	JUL 27	JUN 16	JUN 16
82 - 83	AUG 03	SEP 17	SEP 17	JUL 15	JUN 07	JUN 03
83 - 84	AUG 24	AUG 29	SEP 02	JUL 18	JUL 18	MAY 29
84 - 85	AUG 09	AUG 10	AUG 24	JUN 15	JUN 14	MAY 28
85 - 86	AUG 12	AUG 12	OCT 01	JUL 10	MAY 19	JUN 06
86 - 87	AUG 17	AUG 22	AUG 23	JUL 28	JUN 10	JUN 09
87 - 88	AUG 28	AUG 28	AUG 29	JUL 24	JUN 07	JUN 07
88 - 89	AUG 08	AUG 08	AUG 30	DEC 31	DEC 31	DEC 31

MEDIAN-DATE	AUG 15	AUG 29	SEP 06	JUL 19	JUN 28	JUN 12
-------------	--------	--------	--------	--------	--------	--------

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

## PART C

### SURFACE WIND SUMMARIES

#### PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

#### WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)  
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.  
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:  
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST  
BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

C - 1 - 2

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-5106,7607-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANN
49	WNW	39	*	E	52	W	35	E	26	WNW	23	W	35	*	*	*	ENE*31	ENE*23	W	75	W	*75			
50	WSW	65	W	64	*	ENE	32	E	23	*	ESE*17	E	* 9	*	*	*	*	*	*	*	*	*	WSW*65		
51	*	W	55	WNW	37	ESE	43	E	*29	W	*28													W *55	
76												W	*32	W	30	E	33	E	48	W	61	W	60	W *61	
77	E	49	E	47	E	31	W	41	W	33	W	39	E	27	E	33	SW	33	E	42	W	35	W	50	W 50
78	E	58	W	44	E	41	W	38	E	39	E	29	E	31	W	29	E	37	E	51	E	60	W	46	E 60
79	E	53	W	42	E	52	W	42	E	46	W	35	E	*35	SW	*28	E	52	E	56	W	45	W	74	W *74
80	W	65	W	44	W	50	E	37	E	34	W	26	NW	29	W	49	W	43	E	54	E	49	W	52	W 65
81	E	39	W	51	E	49	E	27	W	43	E	29	W	42	NW	40	W	29	W	43	E	53	W	41	E 53
82	E	35	W	60	W	40	W	36	E	34	E	33	E	31	W	36	E	35	W	60	E	43	E	47	W 60
83	E	49	E	53	NW	47	E	43	W	47	E	37	NE	23	W	31	W	39	W	58	E	49	W	61	W 61
84	NW	48	NW	51	E	40	NW	39	W	49	E	22	W	29	NW	34	E	50	E	49	E	40	NW	53	NW 53
85	NW	42	NW	52	NW	52	E	27	W	43	E	33	NW	29	SE	36	W	48	W	59	W	51	E	47	W 59
86	E	44	W	46	W	57	E	37	E	30	E	46	NW	27	NW	50	W	41	W	48	SE	37	W	38	W 57
87	W	47	W	52	W	39	E	28	E	35	SE	37	E	31	W	38	W	37	E	42	E	40	NW	34	W 52
88	E	47	NW	47	E	38	E	32	E	44	E	29	E	34	NW	33	SW	29	E	44	E	37	NW	38	E 47
GREATEST	WSW	65	W	64	W	57	ESE	43	W	49	E	46	W	42	NW	50	E	52	W	60	W	61	W	75	W 75
TOTAL OBS	429		394		434		450		455		398		417		396		390		403		391		432		4989

THE PEAK WIND OF 75 FROM W OCCURRED ON 12/26/49

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-5106,7607-8812  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.0	4.2	17.9	21.4	11.7	12.1	10.5	9.6	11.0	1.2	.5	24.6	23.0	429
FEB	.5	3.8	22.6	19.5	20.1	10.4	7.4	5.1	7.1	3.6	.0	22.8	20.0	394
MAR	.0	4.1	24.0	26.3	20.7	9.4	6.9	4.1	3.2	1.2	.0	20.4	19.0	434
APR	.2	5.8	31.3	24.7	17.1	11.6	5.3	3.1	.9	.0	.0	18.3	16.0	450
MAY	.0	5.5	23.5	27.9	23.7	11.2	3.5	2.9	1.8	.0	.0	19.1	18.0	455
JUN	.3	1.5	23.9	31.9	26.1	10.3	3.5	2.3	.3	.0	.0	18.9	18.0	398
JUL	.0	2.4	18.7	38.1	25.2	11.5	3.1	.5	.5	.0	.0	18.8	18.0	417
AUG	.0	2.0	19.2	31.8	27.5	13.4	3.0	2.0	.8	.3	.0	19.6	19.0	396
SEP	.0	2.6	18.2	27.2	20.0	16.9	9.5	3.1	1.8	.8	.0	21.3	20.0	390
OCT	.0	2.0	15.9	19.1	18.1	14.9	9.9	8.9	7.4	3.7	.0	25.0	23.0	403
NOV	.0	3.1	19.4	20.2	15.3	13.8	10.5	9.0	7.2	1.5	.0	23.7	22.0	391
DEC	.2	7.2	18.8	19.2	13.9	16.7	9.3	5.6	5.8	2.3	1.2	23.3	21.0	432
ANNUAL	.1	3.7	21.2	25.6	19.9	12.6	6.8	4.7	3.9	1.2	.1	21.3	19.0	4989

C - 3 - 1



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.1										.1	6.0	6.0
020-040	.2	.2										.5	4.5	4.5
050-070	.6	.8	2.4	1.0	.5							5.2	11.8	12.0
(E) 080-100	1.8	5.2	10.6	7.8	6.0	3.5	.9	.1				36.1	15.6	15.0
110-130	1.4	4.2	3.6	.9	1.3	.9						12.3	11.8	10.0
140-160	1.0	.7	.1									1.8	4.8	3.5
(S) 170-190	.5	1.1	.6									2.2	7.3	7.0
200-220	.3	.7	.7	.1								1.8	8.3	7.5
230-250	.8	4.2	3.6	.1								8.8	8.8	9.0
(W) 260-280	.2	4.0	5.0	1.5	1.3	.8	.8	.3	.1			14.0	14.8	13.0
290-310	.2	1.9	1.8	1.9	1.9	1.7	1.9	1.0				12.5	20.4	20.0
320-340		.6	.9									1.5	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	7.0	23.7	29.3	13.3	11.0	6.9	3.6	1.4	.1			100.0	13.7	12.0
TOTAL NUMBER OF OBSERVATIONS 879														

C - 4 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1											.1	4.0	4.0
020-040	.1	.2										.3	5.3	6.0
050-070	.6	2.1	1.6	.4	.4							5.1	10.4	9.0
(E) 080-100	.9	5.2	11.4	9.2	5.3	2.9	1.1	.1				36.2	15.5	15.0
110-130	1.3	3.3	3.3	1.8	1.8	.2						11.8	12.1	10.0
140-160	.7	.3	.4									1.4	5.6	5.0
(S) 170-190	.4	.7	.4									1.6	7.0	7.0
200-220	.3	1.7	.3									2.3	7.0	7.0
230-250	.3	4.0	4.7	.1								9.1	9.3	10.0
(W) 260-280	.8	3.9	4.9	3.0	1.1	1.1	.9	.7				16.3	15.0	12.0
290-310	.1	2.0	1.9	2.1	2.0	1.2	1.0	1.1	.1			11.5	19.6	19.0
320-340	.1	.6	.4									1.1	8.3	7.5
VARIABLE														
CALM	////////////////////////////////////											3.1	////////////////////////////////	
TOTALS	5.7	24.0	29.3	16.6	10.6	5.4	3.0	1.9	.1			100.0	13.6	12.0
TOTAL NUMBER OF OBSERVATIONS 901														

C - 4 - 2

OPERATING 1. 7  
USAFETAC, AS...

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.1										.1	6.0	6.0
020-040	.4											.4	3.0	3.0
050-070	.1	1.9	1.0	.8	.3							4.1	11.7	10.0
(E) 080-100	.6	5.4	11.0	11.1	6.0	2.1	.9	.3				37.4	15.8	15.0
110-130	.7	4.0	3.6	2.1	.9	.6	.1					12.0	12.3	11.0
140-160	.3	.7										1.0	5.4	6.0
(S) 170-190	.8	1.1	.3									2.2	6.6	7.0
200-220	.3	1.6	1.3	.1								3.4	8.3	8.0
230-250	.8	4.0	4.4									9.2	8.8	9.0
(W) 260-280	.1	3.5	5.5	2.2	.9	1.0	1.2	.2				14.7	15.1	12.0
290-310	.6	1.9	2.1	2.2	2.0	1.5	1.5	.6	.1			12.4	18.7	18.0
320-340		.7	.1	.1								.9	8.4	7.5
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	4.7	24.9	29.3	18.6	10.1	5.2	3.7	1.1	.1			100.0	13.8	12.0
TOTAL NUMBER OF OBSERVATIONS 894														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	.1	.6	.1										.8	7.7	7.0
020-040	.4	.6	.1										1.1	5.3	5.0
050-070	.4	1.9	1.2	.6									4.1	9.8	8.0
(E) 080-100	1.1	4.5	9.7	9.8	7.4	2.1	.4	.4					35.5	16.0	16.0
110-130	.9	2.6	4.2	2.9	1.3	.6	.2						12.7	13.5	13.0
140-160	.6	.9	.2		.2								1.9	8.2	8.0
(S) 170-190	.3	.8	.3										1.5	7.0	7.0
200-220	.2	1.7	.7										2.6	8.2	8.0
230-250	.7	3.5	3.9	.2									8.3	9.3	9.5
(W) 260-280	.3	4.7	6.5	3.1	.6	1.1	1.1	.6					18.0	14.6	12.0
290-310	.2	.8	1.3	2.0	2.2	1.5	1.0	.3					9.4	19.8	20.0
320-340	.2	.7											.9	5.9	5.5
VARIABLE															
CALM	////////////////////////////////////												3.2	////////////////////////////////	
TOTALS	5.4	23.3	28.2	18.6	11.7	5.3	2.7	1.3					100.0	13.7	13.0
TOTAL NUMBER OF OBSERVATIONS 895															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.1										.6	3.2	3.0
020-040	.6	.5	.5									1.5	6.5	5.0
050-070	.5	2.2	1.1	.5	.1							4.3	9.1	8.0
(E) 080-100	1.3	5.1	9.8	9.8	7.4	2.6	.5	.2	.1			37.0	15.8	16.0
110-130	1.1	3.2	4.1	1.1	1.1	.3						11.1	12.0	12.0
140-160	.2	.6	1.0	.1								1.9	9.5	10.0
(S) 170-190	.3	.5	.3	.1								1.3	7.9	8.0
200-220	.6	1.4	.8									2.7	7.4	7.0
230-250	1.1	3.7	4.1	.1								9.0	8.6	9.0
(W) 260-280	.2	4.6	5.5	2.5	1.1	1.8	.5	.1	.2			16.6	14.8	13.0
290-310	.3	.6	1.5	1.9	2.6	1.6	1.1	.5				10.2	20.4	20.0
320-340	.2	.1										.3	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	6.9	22.6	28.7	16.1	12.3	6.3	2.1	.8	.3			100.0	13.5	12.0
TOTAL NUMBER OF OBSERVATIONS 874														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.1										.3	3.7	4.0
020-040		.3	.3									.7	9.7	10.0
050-070	.6	2.2	1.6	.9	.2							5.4	10.2	9.5
(E) 080-100	.9	4.9	8.9	9.5	7.7	3.4	.6	.2				36.1	16.3	16.0
110-130	.3	4.4	3.2	1.5	.5	.7	.1	.1				10.8	12.3	10.0
140-160	.6	.7	.6									1.8	6.9	6.0
(S) 170-190	.8	1.2	.5									2.5	6.5	7.0
200-220	.6	1.4	.8	.1								2.8	7.8	7.0
230-250	1.0	3.7	6.0	.2								11.0	9.3	10.0
(W) 260-280	.3	4.4	5.2	1.1	1.2	1.4	.8	.2				14.7	14.3	12.0
290-310	.1	1.0	1.7	1.8	1.6	2.3	1.7	.7	.1			11.0	21.5	21.0
320-340	.1	.1										.2	3.5	3.5
VARIABLE														
CALM	////////////////////////////////////											2.	////////////////////////////////	
TOTALS	5.5	24.4	28.8	15.1	11.2	7.8	3.2	1.2	.1			100.0	13.8	12.0
TOTAL NUMBER OF OBSERVATIONS 883														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.3										.5	5.8	6.0
020-040	.4	.4										.8	4.8	4.5
050-070	.5	2.6	.9		.1							4.2	8.2	8.0
(E) 080-100	.5	6.5	8.5	8.1	7.8	3.4	.8	.1				35.6	16.3	15.0
110-130	.5	3.1	4.7	1.5	1.5		.3	.1				11.7	12.9	12.0
140-160	.8	1.2	.1									2.2	5.4	5.0
(S) 170-190	.5	.5	.4									1.5	6.5	7.0
200-220	.5	.8	.8	.4								2.6	8.9	8.0
230-250	1.1	4.7	4.0	.1								9.9	8.4	9.0
(W) 260-280	.3	3.5	5.1	2.4	.9	.8	1.1	.1				14.2	14.6	12.5
290-310	.1	.8	2.4	2.4	2.0	2.6	.8	1.2	.1			12.5	21.3	21.0
320-340	.4	.4	.4									1.2	7.3	6.0
VARIABLE														
CALM	////////////////////											3.1	////////	
TOTALS	5.9	24.8	27.3	14.9	12.3	6.8	3.0	1.5	.1			100.0	13.8	12.0
TOTAL NUMBER OF OBSERVATIONS 744														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.4		.1								.5	8.5	6.0
020-040	.5	.1										.7	3.8	4.0
050-070	.3	3.5	1.1	.7	.3							5.8	9.2	8.0
(E) 080-100	1.3	5.9	9.5	7.5	8.2	3.5	.9	.1				37.0	16.0	15.0
110-130	.5	5.1	2.5	.9	1.5	.1	.1	.3				11.1	12.2	9.0
140-160	.4	.5	.1									1.1	5.9	5.0
(S) 170-190	1.2	.5	.1									1.9	4.8	4.0
200-220	.7	.7	.7	.1								2.1	8.1	8.0
230-250	1.2	4.7	2.7	.4								9.0	8.4	8.0
(W) 260-280		3.4	5.8	1.6	1.1	.9	1.3	.1	.3	.3		14.7	16.5	13.0
290-310	.4	1.1	2.4	1.7	2.5	1.3	1.2	.8	.4			11.9	20.3	20.0
320-340	.1	.8	.7	.3								1.9	9.9	9.5
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	6.6	26.7	25.6	13.3	13.6	5.8	3.5	1.3	.7	.3		100.0	14.0	12.0
TOTAL NUMBER OF OBSERVATIONS 746														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.1	.2	.0	.0								.4	5.9	5.0
020-040	.3	.3	.1									.7	5.7	5.0
050-070	.4	2.1	1.4	.6	.2							4.8	10.1	9.0
(E) 080-100	1.1	5.3	10.0	9.2	6.9	2.9	.8	.2	.0			36.4	15.9	15.0
110-130	.9	3.7	3.7	1.6	1.2	.4	.1	.1				11.7	12.4	11.0
140-160	.6	.7	.3	.0	.0							1.6	6.8	6.0
(S) 170-190	.6	.8	.4	.0								1.8	6.7	7.0
200-220	.4	1.2	.8	.1								2.6	8.0	8.0
230-250	.9	4.0	4.2	.2								9.3	8.9	9.0
(W) 260-280	.3	4.0	5.4	2.2	1.0	1.1	1.0	.3	.1	.0		15.4	14.9	12.0
290-310	.3	1.3	1.9	2.0	2.1	1.7	1.3	.8	.1			11.4	20.2	20.0
320-340	.1	.5	.3	.0								1.0	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											2.9	////////////////////////////////	
TOTALS	6.0	24.1	28.5	15.9	11.4	6.1	3.2	.4	.2			100.0	13.7	12.0
TOTAL NUMBER OF OBSERVATIONS 6816														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1		.1									.1	9.0	9.0
020-040	.3	.4	.5									1.2	7.9	8.0
050-070	.5	2.7	1.6	1.5	1.2							7.5	12.3	12.5
(E) 080-100	.9	4.1	7.2	13.7	15.9	7.5	1.7	.4				51.5	18.8	19.0
110-130	.9	1.5	1.1	1.3	1.3	.5	.1	.1				6.7	14.3	14.0
140-160	.8	.1		.1	.1							1.1	6.3	3.0
(S) 170-190	.2	.1		.1								.4	6.3	4.5
200-220	.4	.3										.7	4.5	4.0
230-250	.7	1.9	.4									3.0	7.2	7.0
(W) 260-280		1.6	3.6	3.4	1.6	1.0	.3					11.5	16.0	15.0
290-310	.3	.9	1.9	3.6	3.8	2.9	.6					14.0	19.5	20.0
320-340		.4	.4	.1								.8	10.1	10.0
VARIABLE														
CALM	////////////////////											1.4	////	////
TOTALS	5.1	14.0	16.8	23.8	23.9	11.9	2.7	.5				100.0	16.7	17.0

TOTAL NUMBER OF OBSERVATIONS 1411

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.1										.2	4.5	4.5
020-040	.1											.1	4.0	4.0
050-070	.6	1.7	.6									3.0	6.8	6.0
(E) 080-100	.5	5.1	5.2	3.5	2.5	.6	.1					17.6	13.5	13.0
110-130	.6	2.4	3.6	2.1	.7	.6	.2	.9	.1			11.3	15.6	14.0
140-160	.2	.5		.1								.9	6.9	6.0
(S) 170-190	.1	.6	.7									1.5	8.8	9.0
200-220	.1	1.9	1.2									3.2	9.2	9.0
230-250	.5	5.7	7.1	.7								14.1	9.7	10.0
(W) 260-280	.4	5.0	13.1	4.6	2.0	.5	.7	.5	.2			27.0	14.0	12.0
290-310	.4	1.9	3.4	2.9	2.1	1.9	1.1	1.2				14.8	18.7	17.0
320-340	.5	1.2	.1	.6								2.5	8.4	6.5
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	4.1	26.1	35.0	14.5	7.3	3.6	2.1	2.6	.3			100.0	13.0	12.0
TOTAL NUMBER OF OBSERVATIONS 803														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.1	.1									.2	8.5	8.5
020-040	.4	.2										.6	4.6	4.0
050-070	.7	1.0	.6	.2		.1	.1					2.8	9.6	8.0
(E) 080-100	1.1	5.6	5.1	2.9	2.4	.7	.4	.2	.2			18.7	13.6	11.0
110-130	.1	2.6	1.9	2.5	.6	.4	.5	.4				9.0	14.9	14.0
140-160		.6	.2	.1								1.0	8.3	7.0
(S) 170-190	.4	.2	.1									.7	5.8	5.0
200-220	.1	1.6	1.3									3.0	8.8	9.0
230-250	.7	3.4	9.1	.6								13.8	10.2	10.0
(W) 260-280	.5	7.5	10.8	4.9	2.8	1.6	.7	.4	.1			29.2	14.1	12.5
290-310	.6	1.8	4.9	3.0	1.8	1.8	1.0	1.2	.4			16.4	18.4	16.0
320-340	.1	.6	.2	.1		.1						1.2	10.6	7.0
VARIABLE														
CALM	////////////////////////////////////											3.5	////////////////////////////////	
TOTALS	4.7	25.2	34.3	14.3	7.6	4.7	2.7	2.2	.7			100.0	13.2	12.0
TOTAL NUMBER OF OBSERVATIONS 835														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.2	.1									.6	5.6	5.0
020-040		.1										.1	6.0	6.0
050-070	1.1	1.7	.5	.5	.2	.1						4.1	9.1	7.5
(E) 080-100	1.0	5.1	5.9	1.7	2.3	.8	.2	.4				17.5	13.2	11.5
110-130	.5	2.3	3.0	1.7	.7	.5	.7	.2	.1			9.8	14.9	12.0
140-160	.5	.4	.4									1.2	7.4	7.5
(S) 170-190	.4	1.1	.1									1.6	6.5	7.0
200-220	.4	1.6	.8	.2								3.0	8.4	8.0
230-250	.2	4.6	7.8	.7								13.3	10.1	10.0
(W) 260-280	.5	6.7	10.0	4.6	3.5	1.0	.7	.4				27.3	14.2	12.0
290-310	.4	1.7	4.6	5.2	1.3	1.9	1.3	.6	.6			17.7	18.5	17.0
320-340	.2	.2	.4	.1				.1				1.1	11.4	10.0
VARIABLE														
CALM	////////////////////											2.5	////////	
TOTALS	5.4	25.7	33.6	14.7	8.0	4.3	2.9	1.7	.7			100.0	13.3	12.0
TOTAL NUMBER OF OBSERVATIONS 824														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.4	.2									.7	6.8	5.0
020-040		.6	.1									.7	8.0	9.0
050-070	.8	1.0	.5	.2	.1							2.6	7.7	6.0
(E) 080-100	1.6	4.9	4.1	3.0	1.7	.5	.5	.5	.1			16.8	13.5	12.0
110-130	1.3	4.1	3.7	2.5	.5	.5	.4		.1			13.1	12.3	11.0
140-160	.2	.4	.2	.1								1.0	7.9	7.5
(S) 170-190	.4	.7	.4									1.4	7.2	7.5
200-220	.5	1.4	.7									2.6	7.7	8.0
230-250	.4	4.6	7.0	.4								12.3	9.8	10.0
(W) 260-280	.6	5.6	10.0	4.2	3.5	1.7	.5	.2	.2			26.6	14.6	13.0
290-310	.4	2.3	3.7	4.2	2.9	2.8	.7	.8	.2			18.0	18.5	17.0
320-340	.5	.2	.4									1.1	7.2	5.0
VARIABLE														
CALM	////////////////////////////////////											3.0	////////////////////////////////	
TOTALS	6.8	26.2	31.0	14.6	8.7	5.5	2.1	1.5	.6			100.0	13.1	12.0
TOTAL NUMBER OF OBSERVATIONS 832														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.4										.7	4.3	4.5
020-040	.1	.7										.8	6.7	7.0
050-070	1.1	1.1	.6	.5								3.3	8.2	7.0
(E) 080-100	1.8	4.1	3.9	3.6	1.8	.6	.2	.4				16.5	13.3	12.0
110-130	.7	2.9	5.8	1.3	.6	.5	.2	.5				12.6	13.2	12.0
140-160	.2	.6	.2	.4								1.5	9.3	8.5
(S) 170-190	.7	.7										1.5	4.7	4.5
200-220	.1	1.5	1.0									2.5	8.2	8.0
230-250	.8	5.0	5.8	.7								12.3	9.3	10.0
(W) 260-280	.5	6.4	8.5	5.7	1.9	1.1	1.6	.1	.4			26.2	14.7	12.0
290-310	.7	1.5	3.5	4.2	2.4	2.3	1.1	.8				16.6	18.5	17.0
320-340	.7	1.0	.2									1.9	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											3.6	////////////////////////////////	
TOTALS	7.8	25.9	29.5	16.4	6.7	4.5	3.1	1.8	.4			100.0	12.6	11.0
TOTAL NUMBER OF OBSERVATIONS 826														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8											.8	2.0	2.0
020-040	.1	.7	.1									1.0	6.5	6.5
050-070	.7	1.2	.6	.4								2.9	8.6	8.0
(E) 080-100	1.0	4.9	6.0	4.1	1.1	.1	.5	.1	.4			18.1	13.1	12.0
110-130	.6	2.6	4.3	1.2	.8	.1	.5	.1	.1			10.4	13.4	11.0
140-160	.2	1.4										1.7	6.5	7.0
(S) 170-190	.4	.7	.8									1.9	7.4	6.5
200-220	.8	1.7	.4									2.9	6.7	7.0
230-250	.7	5.3	5.9	.4								12.2	9.3	10.0
(W) 260-280	1.0	7.0	8.8	3.2	1.8	1.4	.7	.8	.1			24.8	14.0	12.0
290-310	.5	1.9	4.6	4.0	2.6	2.2	.8	.8	.1			17.5	18.1	16.0
320-340	.6	.7	.2									1.6	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////	
TOTALS	7.4	28.1	31.7	13.3	6.3	3.8	2.5	1.8	.7			100.0	12.4	11.0
TOTAL NUMBER OF OBSERVATIONS 833														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.8	.6									1.4	4.5	4.0
020-040	.4	.4	.3								1.1	6.4	6.5
050-070	.6	.8		.3							1.7	7.8	7.5
(E) 080-100	1.1	5.2	7.1	3.8	1.6	.3	.4	.8	.1		20.5	14.0	13.0
110-130	1.0	2.5	2.8	2.0	.4	.3	.3	.1			9.4	12.6	11.0
140-160	.3	.4	.6								1.3	7.7	7.0
(S) 170-190	.6	1.0	.4								2.0	7.0	7.5
200-220	.7	1.7	.7								3.1	7.0	7.0
230-250	1.0	5.4	6.8	.1							13.3	9.3	10.0
(W) 260-280	.4	6.2	9.7	3.1	1.6	.7		.3	.7		22.7	13.4	12.0
290-310	.4	1.8	3.5	4.1	2.7	1.8	.8	1.1	.4		16.8	19.1	17.0
320-340	.8	.4	.7								2.0	6.2	5.5
VARIABLE													
CALM	////////////////////////////////////										4.8	////////////////////////////////	
TOTALS	8.1	26.4	32.6	13.4	6.3	3.1	1.5	2.3	1.2		100.0	12.4	11.0
TOTAL NUMBER OF OBSERVATIONS 709													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.4	.1									1.1	5.4	4.5
020-040	.6	.6										1.1	4.4	4.5
050-070	1.1	.6	.3	.7	.1							2.9	8.9	7.0
(E) 080-100	.4	4.7	5.9	3.3	2.4	.7	.3	.1	.1			18.1	14.0	12.0
110-130	.9	2.6	3.2	2.0	1.0	.4	.1	.4	.3			10.9	14.5	12.0
140-160	.6	.4	.1									1.1	6.0	5.5
(S) 170-190	.3	.6	1.0									1.9	8.7	10.0
200-220	.7	1.3	1.3									3.3	8.0	8.0
230-250	.3	4.7	5.9	1.0								11.9	9.9	10.0
(W) 260-280	.6	5.7	10.3	2.3	1.4	.9	.6	.1	.1			22.1	13.1	12.0
290-310	.1	2.0	5.3	4.6	2.7	1.3	.7	1.4	.3			18.5	18.3	17.0
320-340	1.1	.7	.4	.1								2.4	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											4.5	////////	
TOTALS	7.3	24.3	33.8	14.0	7.6	3.3	1.7	2.0	.8			100.0	12.6	11.0
TOTAL NUMBER OF OBSERVATIONS 696														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.3	.1									.7	4.8	4.0
020-040	.2	.4	.1									.7	6.0	6.0
050-070	.8	1.1	.5	.3	.1	.0	.0					2.9	8.4	7.0
(E) 080-100	1.1	5.0	5.4	3.2	2.0	.6	.3	.3	.1			17.9	13.5	12.0
110-130	.7	2.8	3.6	1.9	.7	.4	.4	.3	.1			10.9	13.9	12.0
140-160	.3	.6	.2	.1								1.2	7.5	7.0
(S) 170-190	.4	.7	.4									1.5	7.1	7.0
200-220	.4	1.6	.9	.0								3.0	8.0	8.0
230-250	.6	4.8	6.9	.6								12.9	9.7	10.0
(W) 260-280	.6	6.3	10.1	4.1	2.3	1.1	.7	.4	.2			25.9	14.1	12.0
290-310	.4	1.9	4.2	4.0	2.3	2.0	1.0	1.0	.3			17.0	18.5	17.0
320-340	.6	.6	.3	.1		.0		.0				1.7	7.4	6.0
VARIABLE														
CALM	////////////////////											3.7	////////	
TOTALS	6.5	26.1	32.7	14.3	7.4	4.1	2.4	2.0	.7			100.0	12.9	12.0
TOTAL NUMBER OF OBSERVATIONS 6358														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		.1	.2								.4	10.7	12.0
020-040	.1	.1									.2	5.0	5.0
050-070	.4	1.1	.4	1.7	.4	.2	.1				4.3	14.2	16.0
(E) 080-100	1.0	4.0	4.4	6.7	4.8	2.0	.5		.2		23.6	16.1	16.0
110-130	.2	.9	3.3	4.0	1.2	.2	.5	.6			11.0	16.9	16.0
140-160		.4	.5								.9	9.0	10.0
(S) 170-190	.2	.5									.7	6.0	7.0
200-220	.1	.2									.4	6.0	7.0
230-250	.2	.4	.2	.2							1.1	8.8	7.0
(W) 260-280	.4	2.5	3.6	8.3	8.4	2.0	.4	.1			25.6	17.7	18.0
290-310	.4	1.1	5.4	7.5	8.0	4.9	.4	.2			28.1	18.9	19.0
320-340	.2	.2	.6	.7		.1					2.0	12.6	13.0
VARIABLE													
CALM	////////////////////////////////////										1.7	////////////////////////////////	
TOTALS	3.2	11.5	18.6	29.1	22.8	9.4	1.9	.9	.2		100.0	16.7	17.0

TOTAL NUMBER OF OBSERVATIONS 809

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.2										.5	4.3	4.0
020-040	.6	.6										1.1	4.6	4.5
050-070	.3	4.6	4.0	1.7	.2							10.8	10.2	10.0
(E) 080-100	1.0	5.1	10.6	6.2	3.5	.8	.3	.2				27.8	13.8	13.0
110-130	1.4	3.4	2.4	.3	.3							7.9	9.1	9.0
140-160	.5	.5	.1	.1	.2							1.4	8.9	5.0
(S) 170-190	.5	.1	.8									1.4	8.4	11.0
200-220	.5	.8	.9	.3								2.5	9.0	9.5
230-250	.9	4.6	4.8	.1	.1							10.5	9.1	9.0
(W) 260-280	1.0	4.2	10.1	3.9	1.3	1.0	.2		.3			22.1	13.3	12.0
290-310	.6	1.4	3.2	3.1	1.4	.3	.9	.1	.1			11.0	16.3	15.0
320-340	.6	.3										.9	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	8.1	25.8	36.9	15.7	7.0	2.1	1.4	.3	.4			100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 878														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.3	2.0
020-040	.7	.5										1.2	5.2	4.0
050-070	1.5	3.1	4.2	1.8	.3	.1						11.2	10.7	10.0
(E) 080-100	1.3	6.5	8.5	7.4	2.8	.9	.3	.1	.2			28.0	13.5	13.0
110-130	.5	4.2	2.0	.5	.2							7.5	9.0	8.0
140-160	.3	.4	.2	.1								1.1	7.3	7.0
(S) 170-190	.1	.3	.4									.9	8.5	9.5
200-220	.3	.8	.7									1.7	7.4	7.5
230-250	.3	4.5	5.8	.2								10.7	9.5	10.0
(W) 260-280	.8	5.1	8.0	4.2	1.1	.7	.5		.1			20.5	13.2	12.0
290-310	.3	1.5	4.1	3.0	1.8	1.1	.4		.2			12.6	16.2	15.0
320-340	.7	.3	.1									1.1	4.5	3.5
VARIABLE														
CALM	////////////////////////////////////											3.0	////////	
TOTALS	7.2	27.2	34.0	17.2	6.2	2.8	1.2	.1	.5			100.0	11.8	11.0
TOTAL NUMBER OF OBSERVATIONS 921														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1											.1	3.0	3.0
020-040	.2	.7										.9	4.6	5.0
050-070	.9	4.7	3.2	1.2	.3							10.2	9.8	9.0
(E) 080-100	1.4	6.8	9.9	6.2	3.1	1.0	.3		.3			29.0	13.6	13.0
110-130	1.2	3.9	2.1	.3		.2						7.7	8.3	8.0
140-160	.5	.8	.2									1.5	5.8	6.0
(S) 170-190	.9	.5	.8									2.2	6.9	6.0
200-220	.5	.4	.8									1.7	7.5	8.0
230-250	.3	4.6	4.2	.7								9.8	9.4	9.5
(W) 260-280	.9	3.8	8.5	3.5	1.0	.9	.3					18.8	12.9	12.0
290-310	.4	1.5	3.5	3.6	2.1	1.4	.4	.2	.1			13.3	17.0	16.5
320-340	.5	.3										.9	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											3.8	////////	
TOTALS	7.8	28.0	33.2	15.5	6.5	3.5	1.0	.2	.4			100.0	11.7	11.0
TOTAL NUMBER OF OBSERVATIONS 918														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5											.5	3.2	3.0
020-040	.2	.8										1.0	5.3	5.0
050-070	.4	3.1	2.5	1.1	.4							7.5	10.4	10.0
(E) 080-100	1.0	8.9	9.4	8.2	3.5	1.6	.2	.2				33.0	13.7	13.0
110-130	1.0	3.3	2.0	.4	.1							6.8	8.7	8.0
140-160	.4	.9										1.3	5.7	6.0
(S) 170-190	.2	.5	.5									1.3	8.2	6.5
200-220	.3	1.1	.4									1.9	7.3	7.0
230-250	.9	4.0	2.7	.2								7.9	8.4	9.0
(W) 260-280	1.0	5.9	7.9	3.7	1.3	.9	.5					21.2	12.8	12.0
290-310	.9	1.0	4.3	2.7	2.5	1.4	.1	.2	.1			13.2	16.6	17.0
320-340	.5	.1	.2									.9	5.4	3.5
VARIABLE														
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	7.3	29.6	29.9	16.3	7.8	3.9	.8	.4	.1			100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 914														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.1										.2	3.5	3.5
020-040	.7	.7										1.3	5.1	4.5
050-070	.7	3.2	2.8	1.4	.2							8.3	10.1	10.0
(E) 080-100	1.2	7.8	10.5	9.0	2.6	2.5	.4					34.0	13.9	13.0
110-130	.1	3.9	1.7	1.0								6.8	9.7	9.0
140-160	.2	.7										.9	5.0	5.0
(S) 170-190	.9	.9	.2	.1								2.1	6.6	6.0
200-220	.2	.8	.2									1.2	6.5	6.0
230-250	.4	3.3	2.5	.1	.2							6.6	8.7	9.0
(W) 260-280	.5	7.1	7.3	3.5	1.5	.5	.4	.1				21.1	12.5	11.0
290-310	.7	2.6	3.6	2.6	3.0	1.2	.2		.3			14.2	16.1	15.0
320-340	.5	.4	.1		.1							1.2	7.7	6.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	6.2	31.5	28.9	17.7	7.6	4.2	1.0	.1	.3			100.0	12.1	11.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.3	.1									1.0	5.1	4.0
020-040	.9	.5										1.4	3.8	4.0
050-070	.8	5.1	2.3	1.4	.3							9.9	9.6	8.0
(E) 080-100	1.0	7.2	8.4	8.7	3.2	1.7	.9	.1				31.2	14.3	14.0
110-130	.4	4.1	2.2	1.0	.2							8.0	9.7	9.0
140-160	.1	.4	.1									.7	7.3	8.0
(S) 170-190		.2	.3									.5	9.6	10.0
200-220	.1	.3	.4									.9	8.4	9.5
230-250	1.0	3.9	3.4	.2								8.5	8.8	9.0
(W) 260-280	.5	6.9	8.1	3.4	1.4	.3	.5	.2				21.4	12.4	11.0
290-310	.2	2.5	4.1	3.1	2.7	.7		.4				13.8	15.5	14.5
320-340	.7	.9		.1	.1							1.7	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											1.0	////////////////////////////////	
TOTALS	6.2	32.3	29.4	17.9	7.9	2.7	1.4	.7				100.0	12.1	11.0
TOTAL NUMBER OF OBSERVATIONS 916														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.4	.6									1.0	4.8	5.0
020-040	.5	.7									1.2	5.2	5.0
050-070	.4	4.9	2.7	1.7	.4						10.0	10.5	9.0
(E) 080-100	.8	7.4	8.0	6.3	2.9	1.9	.6				28.0	13.8	13.0
110-130	.2	3.4	1.9	.8	.2		.1				6.8	10.7	9.0
140-160	.1	1.0	.4								1.5	7.3	6.5
(S) 170-190	.4	.8	.4								1.6	7.3	8.0
200-220	.1	.5	.5	.1							1.2	9.4	9.5
230-250	.5	4.4	5.3	.6							10.8	9.5	10.0
(W) 260-280	.4	6.3	10.7	2.9	.5	.4	.4	.4	.1		22.0	12.1	11.0
290-310	.7	2.5	3.4	3.6	1.8	.7		.6			13.5	15.1	15.0
320-340	.4	.8									1.2	5.7	6.5
VARIABLE													
CALM	////////////////////////////////////										1.3	////////	
TOTALS	4.9	33.3	33.3	16.0	5.8	3.0	1.1	1.0	.1		100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 824													

C - 4 - 27

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.6										.9	5.4	6.0
020-040	.6	.7										1.4	4.9	5.0
050-070	.6	4.1	3.5	1.4	.5							10.1	10.3	10.0
(E) 080-100	1.0	6.5	9.2	6.5	3.9	.9	.4					28.3	13.6	13.0
110-130	.5	3.1	2.2	.4	.5							6.7	10.0	9.0
140-160	.4	.7	.2	.1								1.5	6.7	5.0
(S) 170-190	.5	.7	.4									1.6	7.1	8.0
200-220	.6	.7	1.1									2.5	8.4	8.0
230-250	.7	5.6	6.0	.7								13.1	9.2	10.0
(W) 260-280	.7	4.2	10.1	3.6	1.0	.5	.2	.2				20.7	12.8	12.0
290-310	.6	1.0	2.5	3.4	1.2	.5	.6	.7				10.6	17.2	16.0
320-340	.4	.4										.7	4.8	4.5
VARIABLE														
CALM	////////////////////////////////////											1.9	////////	
TOTALS	6.8	28.3	35.2	16.1	7.1	1.9	1.2	.9				100.0	11.8	11.0
TOTAL NUMBER OF OBSERVATIONS 802														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.2	.0									.6	4.3	4.0
020-040	.5	.6										1.2	4.8	5.0
050-070	.7	4.1	3.1	1.5	.3	.0						9.7	10.2	10.0
(E) 080-100	1.1	7.0	9.3	7.3	3.2	1.4	.4	.1	.1			30.0	13.8	13.0
110-130	.7	3.7	2.1	.6	.2	.0	.0					7.3	9.4	8.0
140-160	.3	.7	.2	.0	.0							1.2	6.7	6.0
(S) 170-190	.4	.5	.5	.0								1.4	7.5	8.0
200-220	.3	.7	.6	.1								1.7	8.0	7.5
230-250	.6	4.3	4.3	.4	.0							9.7	9.1	9.0
(W) 260-280	.7	5.5	8.8	3.6	1.1	.6	.4	.1	.1			21.0	12.8	11.0
290-310	.6	1.8	3.6	3.1	2.1	.9	.3	.3	.1			12.8	16.2	15.0
320-340	.5	.5	.1	.0	.0							1.1	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	6.7	29.6	32.6	16.6	6.9	2.9	1.1	.5	.3			100.0	11.9	11.0
TOTAL NUMBER OF OBSERVATIONS 7088														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		.2									.2	7.0	7.0
020-040	.2	.6									.8	5.7	6.0
050-070	.3	3.5	2.6	3.9	1.2	.1					11.7	13.1	13.5
(E) 080-100	.9	2.7	7.5	8.9	8.5	4.7	.6				33.8	17.4	17.0
110-130	.1	1.0	.2	.4	.4	.2					2.5	13.4	13.0
140-160		.6	.1								.7	7.8	7.0
(S) 170-190													
200-220	.1										.1	3.0	3.0
230-250	.2	.7	.3								1.2	8.1	8.0
(W) 260-280	.1	5.3	5.8	4.6	4.0	.8					20.7	14.3	13.0
290-310		2.1	5.3	7.6	9.8	1.8	.1				26.7	17.9	19.0
320-340	.7	.6	.1		.1						1.5	7.5	8.0
VARIABLE													
CALM	////////////////////////////////////										.2	////////////////////////////////	
TOTALS	2.6	17.3	21.9	25.4	24.0	7.6	.7				100.0	15.8	16.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.1	.7									.8	5.7	5.0
020-040	.5	.9									1.4	5.3	5.5
050-070	.8	6.1	3.0	1.3	.1						11.4	9.4	8.0
(E) 080-100	.8	8.5	11.5	7.6	2.3	1.2					32.0	12.8	13.0
110-130	.5	2.7	1.4	.5							5.0	8.9	9.0
140-160	.4	.8	.1								1.3	6.4	6.0
(S) 170-190	.2	.4	.6								1.2	8.3	9.5
200-220	.8	.9	1.4								3.2	8.3	9.0
230-250	1.1	5.5	8.5	.2	.4						15.7	9.6	10.0
(W) 260-280	.8	6.1	8.9	1.8	.8						18.4	10.8	10.0
290-310	.4	2.3	1.5	2.2	.5	.2					7.1	12.5	13.0
320-340	.4	.2									.6	4.8	3.0
VARIABLE													
CALM	////////////////////////////////////										2.0	////////	
TOTALS	6.8	35.1	36.9	13.6	4.1	1.4					100.0	10.6	10.0
TOTAL NUMBER OF OBSERVATIONS 854													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.4	.6										1.0	4.9	5.0
020-040	.6	.8										1.3	4.8	5.0
050-070	1.8	4.7	4.8	.6	.2	.1						12.3	9.3	9.0
(E) 080-100	1.0	8.3	8.9	6.0	4	1.2	.1					27.9	12.8	12.0
110-130	.4	2.5	2.5	.9	.1							6.4	9.6	10.0
140-160	.7	.3	.1									1.1	5.0	4.0
(S) 170-190	.2	1.0	.6									1.8	7.9	8.0
200-220	.6	.8	.8									2.1	7.5	8.0
230-250	1.9	5.5	7.2	.2								14.8	8.8	9.5
(W) 260-280	.8	8.7	9.0	1.9	.8							21.1	10.4	10.0
290-310	.7	2.2	1.3	1.7	.7	.1	.1					6.9	11.8	11.0
320-340	3	.1										.4	3.8	3.5
VARIABLE														
CALM	////////////////////////////////////										2.7	////////////////////////////////		
TOTALS	9.4	35.5	35.2	11.3	4.2	1.4	.2					100.0	10.1	10.0
TOTAL NUMBER OF OBSERVATIONS 889														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.2										1.5	3.3	3.0
020-040	.5	.2										.7	3.5	2.5
050-070	.8	3.2	3.7	1.4	.3	.1						9.5	10.8	11.0
(E) 080-100	1.0	10.0	8.7	6.2	3.2	1.6						30.7	12.8	12.0
110-130	.6	2.3	1.5	1.0								5.3	9.9	9.0
140-160	.6	.6	.1	.1								1.4	6.7	5.5
(S) 170-190	.2	1.0	.1									1.4	6.8	7.0
200-220	.7	2.3	.2									3.2	6.6	6.0
230-250	1.2	7.1	5.2	.2								13.8	8.3	9.0
(W) 260-280	.5	7.3	9.8	1.4	.9	.1						19.8	10.7	10.0
290-310	.5	1.6	2.3	1.1	.5		.3					6.2	13.0	13.0
320-340	.3	.5	.1									.9	6.3	6.0
VARIABLE														
CALM	////////////////////											5.6	////////	
TOTALS	8.1	36.3	31.7	11.4	4.9	1.8	.3					100.0	10.1	10.0
TOTAL NUMBER OF OBSERVATIONS 882														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2										.7	4.0	4.0
020-040	.6	.2										.8	4.3	4.0
050-070	.9	3.5	2.4	1.2	.8	.2						9.0	11.1	10.0
(E) 080-100	1.5	7.8	10.7	8.0	4.1	2.0						34.0	13.8	13.0
110-130	.8	3.2	1.8	.8	.3							6.9	9.6	8.0
140-160	.5	.5	.1									1.0	6.2	5.0
(S) 170-190	.3	.6										.9	5.1	5.5
200-220	.5	1.5										1.9	5.5	5.0
230-250	1.5	6.2	1.2	.1								9.0	7.1	7.5
(W) 260-280	1.1	9.2	7.7	2.1	.9	.2	.1					21.4	10.5	10.0
290-310	1.5	1.9	2.8	1.4	1.1		.3					9.0	12.1	12.0
320-340	1.1	.5	.1									1.7	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											3.7	//////////	
TOTALS	10.8	35.3	26.8	13.6	7.2	2.4	.4					100.0	10.7	10.0
TOTAL NUMBER OF OBSERVATIONS 888														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.5										1.1	4.5	4.0
020-040	.6	.8										1.4	5.1	5.5
050-070	1.9	4.4	1.9	2.5	1.0	.1						11.9	10.6	9.0
(E) 080-100	.7	6.7	11.7	7.6	5.0	2.0	.2					34.0	14.5	14.0
110-130	.3	2.8	3.3	.5								6.9	9.7	10.0
140-160	.2	.2										.5	4.3	4.5
(S) 170-190	1.1	.8										1.9	4.6	4.0
200-220	.7	.7										1.4	4.9	4.5
230-250	1.4	2.7	.5			.1						4.7	6.7	7.0
(W) 260-280	1.4	6.1	5.8	3.1	.6	.3						17.3	11.0	10.0
290-310	1.6	4.8	4.8	2.4	.8	.3	.3					15.0	11.5	10.5
320-340	.7	1.4	.3									2.4	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											1.5	////////	
TOTALS	11.3	31.9	28.3	16.1	7.4	2.8	.5					100.0	11.2	10.0
TOTAL NUMBER OF OBSERVATIONS 879														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.6										1.1	4.9	4.0
020-040	.6	1.3										1.8	5.8	6.0
050-070	1.5	3.5	2.8	2.2	.1	.1						10.3	10.0	10.0
(E) 080-100	1.0	7.1	11.7	7.7	5.0	2.4	.1					35.1	14.4	13.0
110-130	.2	5.1	3.1	.5								8.9	9.2	9.0
140-160	.1	.9										1.0	6.2	6.0
(S) 170-190	.7	.5										1.1	4.4	3.0
200-220	.5	.7	.1									1.3	5.3	5.0
230-250	.8	5.0	1.0			.1						6.9	7.3	7.0
(W) 260-280	.8	6.5	5.4	2.1	1.0	.3						16.1	10.9	10.0
290-310	.6	5.4	4.1	2.6	.6	.1	.3					13.7	11.4	10.0
320-340	.3	.9	.1									1.4	6.2	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////	
TOTALS	7.7	37.5	28.3	15.1	6.7	3.0	.4					100.0	11.1	10.0
TOTAL NUMBER OF OBSERVATIONS 878														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.2										.7	4.3	4.0
020-040	.6	.5										1.1	4.3	4.0
050-070	.8	3.7	4.5	1.3	.4			.1				10.8	10.6	10.0
(E) 080-100	1.2	7.5	12.8	7.8	4.6	1.3	.1					35.3	13.7	13.0
110-130	1.2	3.7	2.7	.5	.1							8.2	8.9	8.0
140-160	.2	1.1										1.3	6.4	6.0
(S) 170-190	.2	1.2	.1									1.6	6.4	6.0
200-220	.6	1.0	.1									1.7	6.2	5.5
230-250	.4	4.2	2.0									6.6	8.5	9.0
(W) 260-280	1.0	7.7	5.4	.7	1.6	.7						17.1	10.9	9.0
290-310	.8	4.8	2.9	2.0	.6	.2	.1					11.6	11.0	10.0
320-340	.5	1.2										1.7	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	8.0	36.8	30.5	12.3	7.3	2.2	.2	.1				100.0	10.9	10.0
TOTAL NUMBER OF OBSERVATIONS								830						

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.6										1.6	4.2	4.0
020-040	.6	.9										1.5	4.8	5.0
050-070	1.2	5.1	4.2	2.4	.1		.1					13.2	10.3	10.0
(E) 080-100	.5	9.0	11.4	7.7	4.7	1.2	.1					34.7	13.7	13.0
110-130	1.0	3.6	1.4	.2								6.2	7.8	8.0
140-160	.2	.7	.1									1.1	7.0	7.0
(S) 170-190		.5	.4									.9	8.4	9.0
200-220	.1	1.4	.9									2.4	8.4	8.0
230-250	.2	3.2	6.7	.2	.1							10.6	10.1	10.0
(W) 260-280	.2	8.1	5.5	2.1	.9	.4						17.2	11.2	10.0
290-310	.2	3.6	1.7	1.6	.5	.4						8.1	11.5	11.0
320-340	.4	.4										.7	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////	
TOTALS	5.6	37.1	32.3	14.2	6.3	2.0	.2					100.0	11.0	10.0
TOTAL NUMBER OF OBSERVATIONS 804														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.4										1.1	4.4	4.0
020-040	.6	.7										1.2	4.9	5.0
050-070	1.2	4.3	3.4	1.6	.4	.1	.0	.0				11.0	10.2	10.0
(E) 080-100	1.0	8.1	10.9	7.3	3.9	1.6	.1					32.9	13.6	13.0
110-130	.6	3.2	2.2	.6	.1							6.7	9.2	9.0
140-160	.4	.6	.1	.0								1.1	6.2	6.0
(S) 170-190	.4	.7	.2									1.3	6.4	6.0
200-220	.6	1.1	.4									2.1	6.9	7.0
230-250	1.1	5.0	4.0	.1	.1	.0						10.3	8.6	9.0
(W) 260-280	.8	7.5	7.2	1.9	.9	.3	.0					18.6	10.8	10.0
290-310	.8	3.3	2.7	1.9	.7	.2	.2					9.7	11.7	11.0
320-340	.5	.6	.1									1.2	5.4	5.0
VARIABLE														
CALM	////////////////////											2.6	////////	
TOTALS	8.6	35.5	31.2	13.4	6.1	2.2	.3					100.0	10.7	10.0
TOTAL NUMBER OF OBSERVATIONS 6904														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		.7	.9										1.6	4.8	5.0
020-040		.5	1.3										1.8	6.0	6.0
050-070		.7	6.7	4.3	5.2	.4	.3						15.7	10.9	10.0
(E) 080-100		.6	9.0	12.3	6.1	5.3	4.2	.2					37.6	14.7	13.0
110-130		.5	2.6	2.5	1.0	.1							6.7	10.2	10.0
140-160		.2	.4										.6	5.3	5.0
(S) 170-190		.5	.1										.6	4.0	4.0
200-220		.4	.6										1.0	4.8	5.0
230-250		1.1	4.2	.3			.1						5.6	6.7	7.0
(W) 260-280		1.0	5.4	2.8	2.5	1.9	.3						13.9	12.1	11.0
290-310		.8	.9	3.7	3.8	2.5	.3						12.0	14.9	15.0
320-340		.5	.9	.3									1.7	5.9	5.0
VARIABLE															
CALM		////////////////////////////////////											1.1	////////////////////////////////	
TOTALS		7.5	33.0	26.2	16.6	10.2	5.2	.2					100.0	12.2	11.0

TOTAL NUMBER OF OBSERVATIONS 1156



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	.8										1.4	4.5	5.0
020-040	.8	1.0		.1								1.9	5.6	5.0
050-070	.8	6.6	4.6	2.1	.1	.1						14.2	10.0	9.0
(E) 080-100	1.2	7.3	11.7	10.8	4.3	1.7	.3					37.4	14.2	14.0
110-130	.6	5.0	5.5	2.1	.6							13.7	10.7	10.0
140-160	.9	1.1										2.0	5.3	5.0
(S) 170-190	.9	.7										1.6	4.6	4.0
200-220	.3	1.2	.4									2.0	7.4	8.0
230-250	.6	2.4	2.0									5.0	8.3	8.0
(W) 260-280	.3	3.6	4.3	1.1	.3	.4	.3					10.5	11.9	10.0
290-310	.4	4.0	1.6	.6	.3							6.9	9.3	8.0
320-340	1.0	.9	.2									2.1	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////										1.3	////////////////////////////////		
TOTALS	8.5	34.6	30.3	16.8	5.6	2.2	.6					100.0	11.1	10.0
TOTAL NUMBER OF OBSERVATIONS 899														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 80  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.4	.3									1.3	5.8	5.0
020-040	.6	1.9	.3									2.8	6.4	6.0
050-070	1.8	6.1	5.1	2.2	.1							15.2	9.7	9.0
(E) 080-100	.8	7.9	9.0	10.6	3.9	1.8						33.9	14.0	14.0
110-130	.9	4.8	4.0	3.4	.4	.1						13.6	11.3	10.0
140-160	.8	1.0	.1									1.9	5.6	6.0
(S) 170-190	.7	.9										1.5	5.3	5.0
200-220	.3	1.8	.4									2.5	7.1	7.0
230-250	.7	3.1	2.4	.1								6.3	8.8	9.0
(W) 260-280	.8	4.0	4.0	.7	.8	.1	.4	.1				10.8	11.7	10.0
290-310	.8	2.4	2.8	.6	.1		.1					6.7	10.2	10.0
320-340	.2	1.0	.4									1.7	7.7	7.0
VARIABLE														
CALM	////////////////////											1.9	////////	
TOTALS	9.0	35.3	28.8	17.6	5.3	2.0	.5	.1				100.0	11.0	10.0
TOTAL NUMBER OF OBSERVATIONS 909														

0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.2	.1									2.2	5.5	5.0
020-040	.4	1.1										1.6	5.7	5.5
050-070	.9	4.6	5.7	2.1								13.3	10.3	11.0
(E) 080-100	.7	6.9	9.9	11.2	5.1	1.8	.2					35.9	14.6	15.0
110-130	1.0	5.3	3.8	2.4	.3	.2	.1					13.3	10.9	10.0
140-160	.2	.8										1.0	6.3	7.0
(S) 170-190	.2	.2	.1									.6	6.4	6.0
200-220	.9	1.9	.3									3.1	6.1	6.5
230-250	.7	3.5	.8									4.9	7.4	8.0
(W) 260-280	.7	2.7	5.5	1.8	.6	.2	.1					11.5	11.9	11.0
290-310	.6	4.1	2.8	1.0	.6							9.0	10.2	9.0
320-340	.4	.8	.2									1.4	6.8	7.0
VARIABLE														
CALM	////////////////////											2.3	////////	
TOTALS	7.6	33.1	29.2	18.5	6.6	2.2	.4					100.0	11.3	11.0
TOTAL NUMBER OF OBSERVATIONS 898														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.0	.1									1.3	6.1	5.0
020-040	.7	2.5	.1									3.3	5.7	6.0
050-070	1.3	5.1	5.2	1.4								13.1	9.6	10.0
(E) 080-100	.7	6.9	11.8	11.7	6.1	1.9	.6	.1				39.8	15.1	15.0
110-130	.4	2.1	4.8	3.2	.6	.3	.1					11.5	13.0	12.5
140-160	.2	.4										.7	5.8	5.5
(S) 170-190	.1	.6										.7	5.2	5.0
200-220	.7	.9	.4									2.0	6.4	5.5
230-250	.3	2.1	1.3	.1								3.9	8.1	8.0
(W) 260-280	.8	2.4	3.5	1.4	.6	.2	.1					9.1	11.7	11.0
290-310	.7	3.2	4.4	2.2	.8	.2						11.5	11.9	10.5
320-340	.3	1.8	.4									2.5	6.5	6.0
VARIABLE														
CALM	////////////////////											.7	////////	
TOTALS	6.4	29.0	32.0	20.0	8.1	2.6	.8	.1				100.0	12.2	12.0
TOTAL NUMBER OF OBSERVATIONS 903														

C - 4 - 44

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	3.0										3.8	5.4	5.0
020-040	.9	1.5										2.3	5.4	5.0
050-070	.8	6.0	4.4	2.3	.3							13.9	10.2	10.0
(E) 080-100	.7	6.2	11.9	12.3	6.3	2.2	.9	.1				40.5	15.5	15.0
110-130	.3	2.1	4.7	3.1	.7	.6	.2					11.7	13.8	14.0
140-160	.1	.3	.1									.6	6.2	6.0
(S) 170-190	.7	.2										.9	4.1	3.0
200-220	.3	.7										1.0	5.2	5.0
230-250	.2	.8	.3	.1								1.5	7.8	7.0
(W) 260-280		3.5	2.5	.7		.1	.1	.3	.1			7.3	12.2	10.0
290-310	.8	4.7	3.8	2.1	.7	.2	.1	.1				12.5	11.5	10.0
320-340	.6	2.6	.6									3.7	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											.3	////////////////////////////////	
TOTALS	6.2	31.6	28.3	20.6	8.0	3.1	1.3	.5	.1			100.0	12.5	12.0
TOTAL NUMBER OF OBSERVATIONS 894														

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.0	2.9	.1									4.0	5.7	6.0
020-040	.7	1.8	.4									2.9	6.2	5.0
050-070	.4	5.3	5.7	2.4	.2							14.1	10.6	10.5
(E) 080-100	.4	6.5	13.1	12.7	5.7	1.4	.9					40.7	15.1	15.0
110-130		2.6	5.0	3.3	.8	.3						12.1	13.3	13.0
140-160	.3	.7										1.0	5.7	6.0
(S) 170-190	.2	.4										.7	5.7	5.5
200-220	.2											.2	3.0	3.0
230-250	.7	1.1	.3									2.1	5.8	6.0
(W) 260-280	1.0	3.1	2.7	.8		.3		.3				8.2	10.8	10.0
290-310	.7	4.1	2.3	1.5	.5	.4						9.5	11.5	10.0
320-340	.7	2.1	.5									3.3	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////										1.3	////////////////////////////////		
TOTALS	6.3	30.6	30.1	20.7	7.2	2.4	.9	.3				100.0	12.1	12.0
TOTAL NUMBER OF OBSERVATIONS 911														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.7										2.7	4.7	5.0
020-040	.9	1.9	.1									2.9	5.5	5.0
050-070	.4	4.9	4.4	2.0	.1							11.9	10.4	10.0
(E) 080-100	.7	8.6	12.0	14.3	5.2	1.7	.4					42.9	14.5	15.0
110-130	.3	3.8	4.3	3.0	.6							12.0	12.0	11.5
140-160	.1	.6										.7	5.5	5.0
(S) 170-190	.4	.3										.8	4.3	4.0
200-220	.2	.7										.9	5.3	5.5
230-250	.6	1.2	.6									2.3	7.3	8.0
(W) 260-280	.4	4.1	3.2	.8	.2	.3	.3					9.5	10.9	10.0
290-310	1.2	3.3	2.2	.9	.6							8.2	9.6	8.0
320-340	1.2	1.8	.3									3.3	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////////////////////////////	
TOTALS	7.4	32.9	27.1	21.0	6.7	2.0	.7					100.0	11.5	11.0
TOTAL NUMBER OF OBSERVATIONS 899														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700850

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.0										1.6	5.4	5.0
020-040	.4	1.7										2.1	6.0	6.0
050-070	1.2	5.5	4.0	2.0	.3							13.0	10.0	9.0
(E) 080-100	.9	8.0	13.2	12.0	3.9	1.7	.6					40.3	14.1	14.0
110-130	.3	4.2	5.5	2.2	1.1							13.3	11.8	12.0
140-160	.6	1.1	.2									1.9	5.6	5.0
(S) 170-190	.7	.3										1.0	4.3	4.0
200-220	.7	1.6	.1									2.3	5.3	5.0
230-250	.6	2.6	1.0	.1								4.2	7.8	7.0
(W) 260-280	.6	4.0	3.8	.8	.3	.2	.4					10.1	11.5	10.0
290-310	.4	3.4	1.7	.6	.4							6.6	9.6	8.0
320-340	.4	1.1										1.6	5.6	6.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	7.4	34.5	29.5	17.7	6.0	1.9	1.0					100.0	11.2	11.0
TOTAL NUMBER OF OBSERVATIONS 899														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
												%	WIND	WIND
(N) 350-010	.7	1.5	.1									2.3	5.4	5.0
020-040	.7	1.7	.1	.0								2.5	5.8	5.0
050-070	1.0	5.5	4.9	2.1	.2	.0						13.6	10.1	10.0
(E) 080-100	.7	7.3	11.6	12.0	5.1	1.8	.5	.0				38.9	14.7	14.0
110-130	.5	3.8	4.7	2.9	.6	.2	.1					12.7	12.0	12.0
140-160	.4	.7	.1									1.2	5.7	5.0
(S) 170-190	.5	.5	.0									1.0	4.9	4.0
200-220	.5	1.1	.2									1.8	6.2	6.0
230-250	.5	2.1	1.1	.1								3.8	7.9	8.0
(W) 260-280	.6	3.4	3.7	1.0	.3	.2	.2	.1	.0			9.6	11.6	10.0
290-310	.7	3.7	2.7	1.2	.5	.1	.0	.0				8.9	10.7	10.0
320-340	.6	1.5	.3									2.5	6.4	6.0
VARIABLE														
CALM	////////////////////											1.5	////////	
TOTALS	7.4	32.8	29.5	19.3	6.7	2.3	.8	.1				100.0	11.6	11.0
TOTAL NUMBER OF OBSERVATIONS 7212														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.5	.2									2.4	5.8	6.0
020-040	.5	1.7	.1	.0								2.4	6.2	6.0
050-070	.6	5.1	6.8	3.3	.2	.0						15.9	11.2	11.5
(E) 080-100	.8	6.7	14.1	16.5	5.4	.9	.5	.0				44.9	14.7	15.0
110-130	.3	3.0	4.6	4.7	.9	.1	.1					13.7	13.2	13.0
140-160	.4	.3	.0									.7	4.9	4.0
(S) 170-190	.3	.2										.6	4.5	4.0
200-220	.3	.4	.0									.8	4.8	5.0
230-250	.4	.9	.2	.0								1.5	6.5	6.0
(W) 260-280	.5	2.1	2.3	.7	.5	.3						6.3	11.5	10.0
290-310	.6	3.5	2.1	.8	.4	.2						7.5	10.3	9.0
320-340	.5	1.6	.2									2.3	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////	
TOTALS	5.9	27.0	30.6	26.0	7.4	1.5	.6					100.0	12.3	12.0

TOTAL NUMBER OF OBSERVATIONS 3188

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.0										1.8	4.9	5.0
020-040	1.2	2.0	.1									3.2	5.4	5.0
050-070	.8	8.7	4.0	.3								13.8	8.4	8.5
(E) 080-100	1.2	14.4	17.2	8.9	3.2	.5						45.3	12.0	11.0
110-130	.6	4.7	4.2	1.0	.7	.3						11.5	10.9	10.0
140-160		1.4		.1								1.5	7.5	7.0
(S) 170-190	.1	.8										.9	6.8	7.0
200-220	.1	1.0										1.2	5.9	6.0
230-250	.3	1.6	.3	.2								2.5	8.0	7.5
(W) 260-280	.6	3.7	2.2	1.3	.1							7.8	9.9	9.0
290-310	.2	4.2	1.4	.3	.2	.1						6.5	9.1	7.0
320-340	.9	1.6	.1									2.7	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	6.8	45.1	29.5	12.1	4.2	.9						100.0	10.1	9.0
TOTAL NUMBER OF OBSERVATIONS 867														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.4	1.4										2.8	4.4	4.5
020-040	1.4	2.2	.3									3.9	5.6	5.5
050-070	.2	9.5	3.0	.1								12.8	8.2	8.0
(E) 080-100	.6	13.0	16.1	8.8	2.5	.6						41.6	12.1	11.0
110-130	.5	5.5	3.1	1.7	.5	.5						11.8	10.9	9.0
140-160	.1	.7	.5									1.3	7.5	9.0
(S) 170-190	.3	1.2	.1									1.6	6.3	6.5
200-220	.3	1.0	.1									1.5	6.6	7.0
230-250	.2	1.6	.2	.1								2.2	8.0	7.0
(W) 260-280	.5	2.1	3.2	1.0								6.8	10.4	11.0
290-310	1.5	4.6	1.7	.8	.2	.1	.1					9.1	8.8	7.0
320-340	.9	1.8										2.8	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////										1.8	////////////////////////////////		
TOTALS	7.9	44.6	28.3	12.5	3.2	1.2	.1					100.0	9.8	9.0
TOTAL NUMBER OF OBSERVATIONS 866														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.6	1.6	.1									3.3	4.9	5.0
020-040	1.8	2.1										3.9	4.7	5.0
050-070	.9	10.1	5.5	.7								17.3	8.6	8.0
(E) 080-100	.5	10.1	15.2	9.1	3.0	.2	.1					38.3	12.6	12.0
110-130	.3	3.8	3.1	2.3	.7	.2	.1					10.6	12.2	11.0
140-160	.2	.3										.6	5.6	6.0
(S) 170-190	.1	.9	.1									1.2	7.2	8.0
200-220	.1	.3										.5	6.3	6.5
230-250	.1	.6	.1	.3								1.2	9.6	8.0
(W) 260-280	.1	2.4	3.0	1.6	.3							7.5	11.9	11.0
290-310	1.5	3.8	3.1	.6	.1	.1						9.2	9.0	8.5
320-340	1.4	3.5	.1									5.0	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											1.5	//////////	
TOTALS	8.6	39.5	30.3	14.6	4.1	.5	.2					100.0	10.2	10.0
TOTAL NUMBER OF OBSERVATIONS 867														

C - 4 - 53

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.4										3.4	5.2	5.0
020-040	.9	4.5	.7									6.1	6.3	6.0
050-070	.3	10.3	6.7	1.3								19.2	9.3	9.0
(E) 080-100	.2	8.7	16.6	11.1	2.9	.1	.2					39.7	13.1	13.0
110-130		1.3	2.5	2.4	.8	.6						7.5	15.0	14.5
140-160	.1	.2										.3	6.3	6.0
(S) 170-190														
200-220	.1	.5		.1								.7	8.3	7.0
230-250		.5			.2							.7	11.8	8.0
(W) 260-280	.1	.8	2.3	.7	.3	.2						4.5	13.2	12.0
290-310	.2	6.1	4.3	.9	.3							11.9	10.1	9.0
320-340	.7	4.7	.6									5.9	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											.1	////////////////////////////////	
TOTALS	3.6	40.5	33.7	16.5	4.5	.9	.2					100.0	11.0	10.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 9 - DEC 88  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	2.6	.2									3.5	5.7	6.0
020-040	.5	4.3	.2									5.0	6.1	6.0
050-070	.7	11.1	9.3	2.0	.2							23.4	9.7	9.0
(E) 080-100	.1	5.2	22.3	12.5	5.0	.7	.1					45.9	14.0	13.0
110-130		.6	2.2	.6	.2	.3	.2					4.1	14.8	13.0
140-160		.1										.1	5.0	5.0
(S) 170-190		.5										.5	6.3	6.0
200-220		.1										.1	8.0	8.0
230-250		.2										.2	6.5	6.5
(W) 260-280	.1	.8	1.9	.7	.2							3.7	11.8	11.0
290-310	.1	4.4	3.7	.5	.1							8.8	9.7	9.0
320-340	.5	4.1										4.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////										.1	////////////////////////////////		
TOTALS	2.7	34.0	39.8	16.3	5.7	1.0	.3					100.0	11.5	11.0
TOTAL NUMBER OF OBSERVATIONS 882														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.9										2.3	5.8	5.0
020-040	.5	3.0										3.4	5.9	6.0
050-070	.5	10.3	7.1	1.0	.1							19.0	9.3	9.0
(E) 080-100	.1	6.0	25.1	13.2	3.4	.2	.3					48.4	13.5	13.0
110-130	.1	2.1	2.9	.7	1.3	.3						7.3	13.3	12.0
140-160		.5										.5	6.8	7.0
(S) 170-190		.9	.1	.1								1.1	8.2	7.5
200-220	.1	.2	.1									.5	6.3	6.0
230-250		.5										.5	8.3	8.0
(W) 260-280	.5	2.1	1.0	1.3	.5							5.3	11.2	10.0
290-310	.5	4.8	2.5	.5								8.3	8.7	8.5
320-340	.7	2.3	.2									3.2	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	3.3	34.6	39.0	16.8	5.3	.5	.3					100.0	11.3	11.0
TOTAL NUMBER OF OBSERVATIONS 872														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.4										1.9	5.8	5.0
020-040	1.1	2.3										3.4	5.3	5.0
050-070	.3	9.5	5.4	.9								16.1	9.1	9.0
(E) 080-100	.3	10.3	22.2	10.6	3.0	.7	.3					47.4	12.8	12.0
110-130		3.3	3.5	1.9	.8	.3						9.9	12.5	12.0
140-160	.2	1.1	.2									1.6	7.6	8.0
(S) 170-190	.3	.6										.9	6.4	7.5
200-220		.8	.1									.9	6.8	6.5
230-250	.1	1.6	.2	.1								2.1	7.4	6.5
(W) 260-280	.2	2.7	1.9	.9	.1	.1						6.0	10.2	10.0
290-310	.7	3.3	3.1	.3								7.4	9.1	9.0
320-340	.9	1.1										2.1	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											.3	////////////////////////////////	
TOTALS	4.7	38.0	36.6	14.7	3.9	1.1	.3					100.0	10.9	10.0
TOTAL NUMBER OF OBSERVATIONS 878														

C - 4 - 57

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.8	.0									2.8	5.2	5.0
020-040	1.1	2.9	.2	.0								4.2	5.7	6.0
050-070	.5	10.6	6.5	1.1	.1							18.8	9.2	9.0
(E) 080-100	.4	9.0	19.2	10.6	3.4	.4	.1	.0				43.1	13.1	12.0
110-130	.2	2.7	2.9	1.5	.7	.4	.0					8.4	12.6	12.0
140-160	.1	.6	.1	.0								.8	7.4	8.0
(S) 170-190	.1	.6	.0	.0								.8	6.9	7.0
200-220	.1	.5	.0	.0								.7	6.7	7.0
230-250	.1	.9	.1	.1	.0							1.2	8.3	7.0
(W) 260-280	.3	1.9	2.2	1.0	.3	.0						5.6	11.3	11.0
290-310	.6	4.6	2.9	.6	.1	.0	.0					8.8	9.3	9.0
320-340	.8	3.0	.3	.0								4.1	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											.7	////////////////////////////////	
TOTALS	5.2	39.1	34.4	14.9	4.6	.8	.1					100.0	10.8	10.0
TOTAL NUMBER OF OBSERVATIONS 6974														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.5	.1									2.2	5.6	5.0
020-040	.8	2.6	.3	.0								3.7	6.5	6.0
050-070	.1	9.5	8.1	1.7	.2							19.6	10.1	10.0
(E) 080-100	.1	6.2	17.6	18.6	7.1	.8	.3	.1				51.0	15.0	15.0
110-130		1.8	3.3	2.9	1.3	.4	.1					9.8	14.6	14.0
140-160	.0	.1		.0								.2	7.8	6.5
(S) 170-190		.0	.0									.1	8.5	8.5
200-220		.2	.0									.2	7.0	6.0
230-250	.0	.4			.0							.5	7.2	6.0
(W) 260-280	.1	.9	1.3	.5	.2							3.1	11.5	11.0
290-310	.5	3.2	1.8	.4	.3	.1						6.4	9.9	9.0
320-340	.3	2.2	.5									3.0	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											.3	////////////////////////////////	
TOTALS	2.5	28.6	33.0	24.1	9.1	1.3	.4	.1				100.0	12.7	12.0

TOTAL NUMBER OF OBSERVATIONS 2121

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.4										2.1	5.3	5.0
020-040	1.0	1.9	.1	.1								3.1	6.0	5.5
050-070	1.7	7.0	4.0	1.4								14.1	8.8	8.0
(E) 080-100	.7	8.1	14.3	5.1	.4							28.6	11.5	12.0
110-130	.4	5.0	5.4	1.6	.9							13.3	11.0	10.0
140-160		2.2	.4									2.7	7.5	7.0
(S) 170-190	.1	2.3	.7									3.1	7.9	8.0
200-220	.3	2.6	.9									3.8	7.5	7.0
230-250	.3	1.8	1.2									3.3	8.5	8.0
(W) 260-280	.2	3.6	3.8	1.0	.8	.2						9.5	11.7	11.5
290-310	1.1	4.9	3.1	1.3	.1							10.5	9.4	9.0
320-340	1.2	2.4	.9	.1								4.7	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////////////////////////////	
TOTALS	7.7	43.2	34.8	10.6	2.2	.2						100.0	9.7	9.0
TOTAL NUMBER OF OBSERVATIONS 901														

C - 4 - 60

OPERATING LOCATION "A"  
USAFETAC, ASHEILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.6	.1									2.3	6.5	6.0
020-040	1.3	2.2										3.5	5.1	5.0
050-070	1.3	6.9	2.7	1.4								12.4	8.4	7.0
(E) 080-100	.4	7.5	10.8	6.2	.4							25.3	11.7	12.0
110-130	.9	5.1	4.2	2.7	1.0							13.8	11.1	11.0
140-160	.1	2.0	.1									2.2	6.4	6.0
(S) 170-190	.1	1.5	.4									2.1	7.4	7.0
200-220	.1	2.3	.1									2.5	7.1	7.0
230-250	.4	2.3	1.5	.3								4.6	8.8	8.0
(W) 260-280	.3	4.9	5.2	2.5	.5							13.5	11.0	11.0
290-310	.9	5.5	3.0	2.0	.7							12.0	10.0	9.0
320-340	.3	2.5	.7	.1								3.6	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											2.1	////////////////////////////////	
TOTALS	6.6	44.3	28.8	15.2	2.6							100.0	9.7	9.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.4	.2									2.6	5.3	5.0
020-040	1.0	2.0										3.0	5.5	5.0
050-070	1.1	8.0	3.6	1.1	.1							13.9	8.8	8.0
(E) 080-100	.4	7.8	10.0	8.3	.7							27.1	12.1	12.0
110-130	.2	2.8	3.8	3.1	.3							10.3	12.1	12.0
140-160		.5	.2									.8	8.3	9.0
(S) 170-190	.1	1.0	.1									1.2	7.3	7.0
200-220		.8	.1									.9	7.6	8.0
230-250	.2	1.6	.9	.2	.1							3.1	9.0	7.5
(W) 260-280	.2	3.8	5.8	3.1	.9							13.8	12.0	11.0
290-310	.7	8.4	3.7	2.3	1.5							16.6	10.5	9.0
320-340	.8	3.8	.9	.3	.1							5.9	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	5.7	41.9	29.3	18.4	3.7							100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 914														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.4	.4									5.0	5.7	6.0
020-040	.5	3.6	.1									4.3	6.3	6.0
050-070	.7	10.9	5.5	1.6								18.6	9.2	9.0
(E) 080-100		4.3	12.1	8.4	2.0	.1						26.8	13.5	13.0
110-130		2.0	2.5	2.5	.9							7.9	13.2	12.0
140-160	.1	.2	.2									.5	7.2	7.0
(S) 170-190		.1										.1	6.0	6.0
200-220														
230-250	.1	.7		.2								1.0	8.6	7.0
(W) 260-280	.1	1.5	4.5	2.9	.9							9.9	13.3	13.0
290-310	.3	9.5	4.7	2.7	.8							18.0	10.4	9.0
320-340	1.3	5.1	1.1	.1								7.6	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	4.3	41.3	31.1	18.4	4.6	.1						100.0	10.8	10.0
TOTAL NUMBER OF OBSERVATIONS 917														

C - 4 - 63

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	5.3	.3									6.2	6.4	6.0
020-040	.9	5.1	.2									6.2	6.3	6.0
050-070		8.3	9.4	1.4								19.1	10.4	10.0
(E) 080-100	.1	3.4	13.5	11.4	2.6	.3						31.3	14.1	14.0
110-130		.8	1.7	1.8	.8							5.0	14.4	15.0
140-160		.2	.1									.3	8.7	8.0
(S) 170-190														
200-220														
230-250		.3										.3	7.3	8.0
(W) 260-280	.1	.8	1.7	1.2	.3	.1	.2					4.4	14.4	13.0
290-310	.9	8.9	5.3	2.1	.4	.1						17.8	10.1	9.0
320-340	.4	7.4	1.1	.3								9.3	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	3.0	40.5	33.3	18.2	4.1	.5	.2					100.0	11.1	10.0
TOTAL NUMBER OF OBSERVATIONS 577														

C - 4 - 64



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	5.6	.3									7.2	6.1	6.0
020-040	1.9	4.6	.2									6.7	5.8	5.0
050-070	1.4	6.3	8.6	2.6								19.0	10.1	10.0
(E) 080-100	.2	4.1	16.9	11.6	3.3							36.1	13.9	14.0
110-130	.1	.3	2.4	1.0	.6							4.4	13.8	13.0
140-160	.2	.3										.6	5.4	5.0
(S) 170-190	.3	.3	.2									.9	7.0	6.0
200-220			.1									.1	10.0	10.0
230-250		.2	.2									.4	7.5	7.5
(W) 260-280	.1	1.0	.8	.7	.2							2.8	11.6	11.0
290-310	.4	7.2	2.8	1.2	.7							12.3	9.7	8.0
320-340	1.2	6.6	1.0	.6								9.4	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	7.0	36.5	33.5	17.7	4.8							100.0	10.7	10.0
TOTAL NUMBER OF OBSERVATIONS 906														

C - 4 - 65

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
N) 350-010	.9	2.4										3.3	5.5	5.5
020-040	1.0	4.0										5.0	5.8	6.0
050-070	.7	9.1	7.2	2.2	.1							19.2	9.7	9.0
E) 080-100	.2	5.3	18.8	10.2	1.3							35.8	13.1	13.0
110-130	.3	1.5	4.0	2.3	.2	.2						8.6	12.5	12.0
140-160	.1	1.1	.2									1.4	7.5	7.0
S) 170-190	.2	.8										1.0	5.9	6.0
200-220		.3										.3	7.3	7.0
230-250	.3	.6	.2	.1								1.2	7.5	8.0
W) 260-280	.8	1.8	1.8	.7	.4	.1						5.5	10.7	10.0
290-310	1.4	5.8	2.5	.8	.3							10.8	8.8	8.0
320-340	.7	5.2	.6	.3								6.7	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	6.6	37.9	35.3	16.6	2.3	.3						100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 904														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.4										4.0	5.0	5.0
020-040	.5	2.4										3.0	5.8	6.0
050-070	.9	8.0	5.5	1.2	.1							15.6	9.2	9.0
(E) 080-100	.7	7.8	16.2	8.5	1.5							34.6	12.3	12.0
110-130	.2	3.5	4.5	1.7	.4	.2						10.6	11.9	12.0
140-160	.1	2.0	.7									2.7	7.8	8.0
(S) 170-190	.2	1.0	.4									1.6	7.7	8.0
200-220	.1	1.2	.1									1.4	7.1	7.0
230-250	.5	2.8	.8									4.2	6.9	6.0
(W) 260-280	.2	3.3	2.7	.7	.3		.2					7.4	11.1	10.0
290-310	.5	3.6	2.6	1.6								8.4	10.1	10.0
320-340	1.5	2.7	.1									4.4	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	7.0	40.7	33.6	13.7	2.3	.2	.2					100.0	10.0	10.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.0	3.0	.2									4.1	5.8	6.0
020-040		1.0	3.2	.1	.0								4.3	5.9	6.0
050-070		1.0	8.1	5.8	1.6	.0							16.5	9.4	9.0
(E) 080-100		.3	6.0	14.1	8.7	1.5	.1						30.7	12.8	13.0
110-130		.3	2.6	3.6	2.1	.6	.1						9.2	12.1	12.0
140 160		.1	1.1	.2									1.4	7.4	7.0
(S) 170-190		.1	.9	.2									1.3	7.4	7.0
200-220		.1	.9	.2									1.1	7.4	7.0
230-250		.2	1.3	.6	.1	.0							2.3	8.2	8.0
(W) 260-280		.3	2.6	3.3	1.6	.5	.1	.1					8.4	11.9	11.0
290-310		.8	6.7	3.5	1.8	.6	.0						13.3	9.9	9.0
320-340		.9	4.5	.8	.2	.0							6.4	7.1	7.0
VARIABLE															
CALM		////////////////////////////////////										.9	////////////////////////////////		
TOTALS		6.1	40.9	32.6	16.1	3.2	.3	.1					100.0	10.3	10.0
TOTAL NUMBER OF OBSERVATIONS 7274															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.9	2.3	.3								3.5	6.0	6.0
020-040	.9	4.1	.1	.1							5.3	6.4	6.0
050-070	.8	8.3	7.0	2.8	.1						19.0	10.2	10.0
(E) 080-100	.2	4.1	12.9	11.7	1.6	.1					30.7	13.7	14.0
110-130	.1	1.5	2.1	2.8	.3						6.8	13.2	13.0
140-160		.2	.1								.3	7.3	7.0
(S) 170-190	.1	.1									.2	5.0	5.0
200-220	.1	.4									.5	5.7	6.0
230-250	.1	.9	.3	.1							1.3	7.3	6.0
(W) 260-280	.1	2.3	2.9	2.1	.7	.1	.1				8.2	12.8	12.0
290-310	.3	6.7	4.7	2.5	1.0						15.3	11.0	10.0
320-340	.9	6.0	.9	.3	.1						8.1	7.2	7.0
VARIABLE													
CALM	////////////////////////////////////										.8	////////////////////////////////	
TOTALS	4.5	36.9	31.3	22.4	3.8	.2	.1				100.0	11.1	11.0

TOTAL NUMBER OF OBSERVATIONS 1495

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	.2									2.1	5.4	5.0
020-040	.9	2.2	.3	.1								3.5	6.5	6.0
050-070	.9	4.1	4.3	1.0								10.3	9.5	10.0
(E) 080-100	.5	6.2	7.7	3.9	.5							18.9	11.4	11.0
110-130	.9	5.3	4.1	2.1								12.4	10.1	9.5
140-160	.4	3.4	1.6									5.4	8.0	8.0
(S) 170-190	.3	1.3	1.3									2.9	8.2	8.0
200-220	.2	4.0	1.3	.2								5.7	8.5	8.0
230-250	.7	2.4	3.4	.2	.1							6.7	9.5	10.0
(W) 260-280	.8	4.2	4.3	2.0	1.2	.2	.3					13.0	12.2	11.0
290-310	.8	4.2	4.6	2.2	1.3	.7	.1	.1				13.9	12.6	11.0
320-340	.5	2.3	.8	.1								3.7	7.4	6.0
VARIABLE														
CALM	////////////////////////////////////											1.5	////////////////////////////////	
TOTALS	7.6	40.8	33.9	11.8	3.1	.9	.4	.1				100.0	10.1	10.0
TOTAL NUMBER OF OBSERVATIONS 922														

TOTAL NUMBER OF OBSERVATIONS 922

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.5	.4									2.8	6.5	5.5
020-040	1.3	.9	.5									2.7	6.6	5.0
050-070	1.1	4.1	4.1	.6	.2							10.5	9.3	9.0
(E) 080-100	.3	6.0	7.7	3.5	.4							17.9	11.5	12.0
110-130	.6	5.5	3.8	1.5								11.5	9.8	9.0
140-160	.4	2.5	.3									3.2	6.8	7.0
(S) 170-190	.2	2.2	.4									2.8	7.9	8.0
200-220	.2	4.0	1.0		.1							5.3	8.3	8.0
230-250	.5	3.6	2.9	.5								7.6	9.7	9.0
(W) 260-280	.9	4.7	6.0	2.6	.8	.3						15.2	11.6	11.5
290-310	.8	5.1	3.9	2.5	1.4	.9	.1	.1	.1			14.8	12.8	11.0
320-340	.8	1.3	.5	.4								3.0	8.1	6.0
VARIABLE														
CALM	////////////////////											2.7	////////	
TOTALS	8.0	41.7	31.5	11.6	2.9	1.2	.1	.1	.1			100.0	10.0	9.0

TOTAL NUMBER OF OBSERVATIONS 924

C - 4 - 71

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.8	.4									2.2	6.2	5.5
020-040	1.4	1.1	.4									3.0	5.7	5.0
050-070	1.0	4.4	3.5	1.1	.3							10.3	9.9	9.0
(E) 080-100	.3	5.4	6.9	4.7	.4							17.8	11.9	12.0
110-130	.1	3.4	5.3	.5	.3							9.6	10.4	10.0
140-160	.2	1.5	.3									2.1	7.5	8.0
(S) 170-190	.2	2.2	.2									2.6	6.9	7.0
200-220	.3	2.2	.8									3.3	7.6	7.0
230-250	.4	4.9	1.8	.4	.1							7.7	8.5	8.0
(W) 260-280	.4	4.9	6.1	4.2	1.1	.8						17.5	12.9	12.0
290-310	1.0	6.6	3.8	3.5	1.3	.5	.2					17.0	12.1	10.0
320-340	.8	3.6	.8	.1	.1		.1					5.5	7.8	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	7.1	41.0	30.3	14.5	3.6	1.3	.3					100.0	10.4	10.0

TOTAL NUMBER OF OBSERVATIONS 912



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.4										3.6	5.4	5.0
020-040	1.4	2.9	.2									4.6	5.7	5.5
050-070	.7	5.8	3.4	.5	.2							10.6	9.1	8.0
(E) 080-100	.4	5.3	11.2	5.8	.3							23.1	11.8	12.0
110-130	.2	1.7	3.3	.8	.5	.1						6.6	12.2	12.0
140-160	.1	1.0	.1									1.2	6.9	7.0
(S) 170-190	.1	.5	.1									.8	6.6	6.0
200-220	.2	.5	.4									1.2	8.1	7.0
230-250	.1	1.4	1.5	.2								3.3	9.3	10.0
(W) 260-280	.7	3.9	4.5	3.8	1.3	.8	.1					15.0	13.3	12.5
290-310	.8	9.1	6.7	4.1	2.0	.8		.1				23.6	12.0	11.0
320-340	1.4	3.4	.5	.2	.1	.1						5.8	7.2	5.0
VARIABLE														
CALM	////////////////////////////////////											.8	////////////////////////////////	
TOTALS	7.3	37.9	31.9	15.4	4.4	1.8	.1	.1				100.0	10.7	10.0
TOTAL NUMBER OF OBSERVATIONS 919														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.1	.1									6.4	5.4	5.0
020-040	1.7	4.6	1.1									7.4	6.3	5.0
050-070	1.0	5.0	4.5	1.3	.1							11.9	9.7	9.5
(E) 080-100	.7	4.2	12.8	7.0	.8							25.4	12.7	13.0
110-130	.6	.9	2.4	.4	.3							4.6	11.5	11.0
140-160	.1	.4	.1									.7	6.3	5.5
(S) 170-190		.2	.1									.3	9.0	8.0
200-220		.6	.1									.7	7.7	7.0
230-250		1.1	.8	.3	.1							2.3	11.0	10.0
(W) 260-280	.2	2.1	2.8	2.5	.7	.3	.6					9.2	14.4	14.0
290-310	.4	8.2	6.9	4.5	1.9	.6						22.4	12.3	11.0
320-340	.8	5.1	1.3	.3	.2	.1						7.8	8.2	7.0
VARIABLE														
CALM	////////////////////////////////////											.8	////////////////////////////////	
TOTALS	7.7	36.5	33.0	16.3	4.1	1.0	.6					100.0	10.8	10.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.4	3.4	.8									4.6	7.2	7.0
020-040	1.1	1.3	.5									2.9	6.1	5.0
050-070	1.1	8.8	4.5	1.9	.1							16.3	9.2	8.0
(E) 080-100	.2	5.2	11.3	9.5	.2							26.5	12.7	13.0
110-130	.1	2.4	3.6	.8	.7							7.5	11.8	11.0
140-160	.1	.3	.3									.8	7.9	8.0
(S) 170-190	.1	.7	.1									.9	7.4	7.0
200-220	.1	.3	.1									.5	7.0	6.0
230-250	.2	1.6	.7	.5				.1				3.2	10.8	9.0
(W) 260-280	.1	3.3	4.0	.7	.3	.3		.1				8.8	11.6	10.0
290-310	.8	8.6	5.3	2.2	1.4	.5						18.8	11.1	10.0
320-340	1.7	4.1	1.2	.4	.1	.1						7.7	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	6.0	40.0	32.4	16.0	2.8	.9		.2				100.0	10.5	10.0
TOTAL NUMBER OF OBSERVATIONS 918														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.3	.7									4.1	7.1	8.0
020-040	.5	1.4	.5									2.3	7.0	7.0
050-070	.7	5.5	2.8	.1								9.1	8.0	7.0
(E) 080-100	.2	6.1	13.8	7.4	.2							27.8	12.0	12.0
110-130	.6	3.9	5.3	2.6	.4							12.6	11.4	11.0
140-160	.1	2.2	.7									3.0	7.8	8.0
(S) 170-190	.4	1.8	.2									2.3	6.9	7.0
200-220	.1	1.2	.1									1.4	6.5	6.5
230-250	.2	2.3	.6	.5								3.6	9.0	8.0
(W) 260-280	.4	3.3	4.0	2.1		.1	.2	.1				10.2	11.7	11.0
290-310	.7	6.8	4.3	2.2	1.6	.4						16.0	11.6	10.0
320-340	1.2	2.5	.8	.1	.4							4.9	8.0	6.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	6.2	39.3	33.8	15.0	2.6	.5	.2	.1				100.0	10.2	10.0
TOTAL NUMBER OF OBSERVATIONS 854														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.6	.2									3.2	5.9	5.0
020-040	.8	1.8										2.6	5.7	6.0
050-070	.4	4.2	4.4	.1								9.1	8.9	9.5
(E) 080-100	.5	7.1	9.2	4.6	.2							21.6	11.4	11.0
110-130	.4	4.4	6.3	3.2	.2							14.5	11.3	11.0
140-160		2.1	2.1	.1								4.3	9.3	10.0
(S) 170-190	.2	2.9	1.2									4.3	8.0	8.0
200-220	.2	2.8	.7									3.7	7.6	8.0
230-250	.1	2.2	1.1	.2								3.6	8.9	8.0
(W) 260-280	.7	4.3	4.1	3.5	.4	.5	.5					13.9	12.8	12.0
290-310	.9	4.1	4.0	2.6	1.6	.1						13.3	12.0	11.0
320-340	.7	2.2	.7									3.6	7.0	7.0
VARIABLE														
CALM	////////////////////											2.2	////	////
TOTALS	6.2	39.7	34.0	14.3	2.4	.6	.5					100.0	10.2	10.0
TOTAL NUMBER OF OBSERVATIONS 856														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.2	.4									3.6	6.1	6.0
020-040	1.1	2.0	.5	.0								3.6	6.2	6.0
050-070	.8	5.3	4.0	.8	.1							11.1	9.2	9.0
(E) 080-100	.4	5.7	10.1	5.8	.4							22.3	12.0	12.0
110-130	.4	3.4	4.2	1.5	.3	.0						9.9	10.9	10.0
140-160	.2	1.7	.7	.0								2.6	7.8	8.0
(S) 170-190	.2	1.5	.5									2.1	7.6	8.0
200-220	.2	2.0	.6	.0	.0							2.7	8.0	8.0
230-250	.3	2.5	1.6	.4	.0			.0				4.8	9.4	9.0
(W) 260-280	.5	3.8	4.5	2.7	.7	.4	.2	.0				12.9	12.6	12.0
290-310	.8	6.6	5.0	3.0	1.6	.6	.1	.0	.0			17.5	12.0	11.0
320-340	1.0	3.1	.8	.2	.1	.0	.0					5.3	7.8	6.0
VARIABLE														
CALM	////////////////////											1.7	////////	
TOTALS	7.0	39.8	32.9	14.4	3.2	1.0	.3					100.0	10.4	10.0
TOTAL NUMBER OF OBSERVATIONS 7210														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	3-34	35-39	40-49	50-64				GE 65
(N) 350-010	.8	3.0	.9									4.7	7.3	7.0
020-040	.8	2.0	1.0									3.8	7.2	6.0
050-070	.4	4.9	5.9	1.5								12.6	10.3	10.0
(E) 080-100	.1	4.2	10.8	7.1	.9							23.2	12.9	13.0
110-130	.1	1.4	2.5	1.7	.5	.0						6.1	13.1	13.0
140-160	.1	.4	.1									.6	6.7	6.0
(S) 170-190		.4	.1									.5	7.3	6.5
200-220	.0	.5	.0									.6	7.6	7.5
230-250	.4	1.5	.6	.1								2.6	8.3	8.0
(W) 260-280	.2	4.3	4.5	1.7	.3	.6	.3	.0				12.0	12.4	11.0
290-310	.6	7.9	7.3	5.2	2.6	.9	.1	.1	.0			24.9	13.1	12.0
320-340	1.0	3.9	1.9	.4	.2	.0	.0					7.5	8.6	7.0
VARIABLE														
CALM	////////////////////////////////////										.8	////////////////////////////////		
TOTALS	4.5	34.4	35.6	17.7	4.5	1.5	.4	.1				100.0	11.5	11.0

TOTAL NUMBER OF OBSERVATIONS 2115

C - 4 - 79

OPERATING LOCATION "A"                      PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC, ASHEVILLE NC                      FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860      STATION NAME: BARTER ISLAND AK                      PERIOD OF RECORD: JAN 79 - DEC 88  
LST TO UTC: + 9                      MONTH: SEP                      HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	2.5	1.0									4.3	7.2	7.0
020-040	1.0	1.9	.6	.3								3.8	7.7	7.0
050-070	.7	2.9	2.2	2.1	.7	.3						9.0	11.8	11.0
(E) 080-100	.6	5.3	7.3	5.4	3.3	.4			.1			22.4	13.7	13.0
110-130	.7	6.0	5.5	1.9	.2	.1			.2			14.6	11.0	10.0
140-160	.2	1.6	.4									2.2	7.1	7.0
(S) 170-190	.4	3.1	1.2									4.8	8.0	8.0
200-220	.2	3.4	1.5									5.1	8.1	8.0
230-250	.1	2.6	3.6	.2	.1							6.6	10.2	10.0
(W) 260-280	.1	1.9	2.8	1.8	1.6	.9	.3					9.4	15.5	14.0
290-310	.7	2.9	2.8	2.5	1.6	.4	.6					11.5	14.0	13.0
320-340	.9	1.8	.6	.2								3.5	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											2.7	////////////////////////////////	
TOTALS	6.4	35.9	29.5	14.4	7.5	2.1	.9		.3			100.0	11.3	10.0
TOTAL NUMBER OF OBSERVATIONS 889														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.5	.4									2.5	6.9	6.5
020-040	.6	1.8	.7	.2	.2							3.5	8.8	7.0
050-070	1.0	2.5	2.1	1.8	.7	.3						8.4	11.7	11.0
(E) 080-100	.8	3.7	7.2	5.4	2.5	1.1						20.6	14.0	13.0
110-130	1.0	5.6	4.6	3.3	.2	.2		.2	.1			15.2	11.2	10.0
140-160	.6	1.2	.6	.1								2.5	7.5	7.5
(S) 170-190	.7	2.8	.9									4.4	7.5	7.0
200-220	.4	3.7	2.2									6.4	8.2	9.0
230-250	.2	2.5	2.8	.4	.2							6.2	10.5	10.0
(W) 260-280	.6	2.8	3.9	2.2	1.7	.9	.4					12.6	14.3	13.0
290-310	.1	3.7	3.0	1.5	1.3	.2	.6					10.4	13.6	12.0
320-340	.8	2.6	.8	.1								4.3	7.6	7.0
VARIABLE														
CALM	////////////////////											3.1	////////	
TOTALS	7.4	34.4	29.2	15.0	6.8	2.7	1.0	.2	.1			100.0	11.3	10.0
TOTAL NUMBER OF OBSERVATIONS 892														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.8	.5									1.8	6.7	6.5
020-040	.3	1.4	.8		.2	.1						2.8	9.8	7.0
050-070	1.0	3.3	2.4	1.8	.5	.3	.1					9.4	11.4	11.0
(E) 080-100	.7	3.4	5.5	6.7	2.4	.8						19.5	14.3	15.0
110-130	1.0	2.8	5.4	2.1	.6	.2		.2	.1			12.6	12.2	12.0
140-160	1.1	1.8	.8									3.7	6.7	6.0
(S) 170-190	.3	3.2	1.4									4.9	8.1	8.0
200-220	.8	4.3	2.4									7.5	7.9	8.0
230-250	.8	3.6	2.6	.2								7.2	8.6	8.0
(W) 260-280	.1	1.9	4.2	2.0	1.4	.7	.6	.3				11.2	15.7	14.0
290-310	1.1	4.1	4.3	1.6	1.1	.2	.2					12.7	11.8	10.0
320-340	.2	2.0	1.2		.2							3.7	9.3	9.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////////////////////////////	
TOTALS	8.0	32.6	31.5	14.4	6.4	2.3	.9	.5	.1			100.0	11.2	10.0
TOTAL NUMBER OF OBSERVATIONS 884														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.2	.3									2.1	6.6	7.0
020-040	.6	1.8	1.2	.2	.2							4.0	9.3	8.5
050-070	1.1	2.8	3.1	1.7	.8	.2	.1					9.9	11.7	10.5
(E) 080-100	.4	4.4	5.1	5.8	3.9	.6						20.2	14.3	15.0
110-130	.6	3.4	5.7	2.2	.8	.6	.1	.2	.1			13.7	13.0	11.5
140-160	.3	1.9	.4	.2								2.9	8.2	7.5
(S) 170-190	.7	2.2	1.6									4.5	7.9	8.0
200-220	.2	2.5	.8	.1								3.6	7.8	7.0
230-250	.7	2.8	2.0	.2								5.7	8.3	8.0
(W) 260-280	.6	2.5	4.7	2.6	2.6	.9	.6	.1				14.5	15.3	14.0
290-310	1.2	6.0	3.5	1.0	.8	.3	.1	.2				13.1	10.8	9.0
320-340	.9	2.4	.9	.2	.1							4.5	7.8	7.0
VARIABLE														
CALM	////////////////////											1.1	////////	
TOTALS	7.9	33.9	29.3	14.2	9.2	2.6	.9	.5	.1			100.0	11.7	10.0
TOTAL NUMBER OF OBSERVATIONS 890														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.0	1.8	.7								3.5	6.8	6.0
020-040	1.0	1.2	.7	.6	.1						3.6	8.5	6.0
050-070	.8	4.8	2.9	1.7	1.5	.1	.3				12.2	12.0	10.0
(E) 080-100	.7	6.1	7.2	7.2	3.7	.1	.2	.2			25.5	13.8	13.0
110-130	.3	4.3	3.6	2.4	.8	.3	.2		.1		12.0	12.7	12.0
140-160	.1	.9	.5	.2							1.7	9.7	9.0
(S) 170-190	.3	1.4	.8								2.5	8.2	7.5
200-220	.2	.5	.1								.8	6.6	7.0
230-250	.8	1.4	.6	.3	.3						3.4	9.0	7.0
(W) 260-280	.3	3.6	4.7	2.3	1.7	1.5	.3	.3			14.8	14.9	13.0
290-310	1.0	5.9	5.9	1.6	.7	.6	.1	.2			15.9	11.5	10.0
320-340	.6	2.6	.7	.2							4.1	7.1	6.0
VARIABLE													
CALM	////////////////////////////////////										.2	////////////////////////////////	
TOTALS	7.1	34.5	28.4	16.5	8.8	2.6	1.1	.7	.1		100.0	12.1	11.0
TOTAL NUMBER OF OBSERVATIONS 888													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	.1	.1								2.1	5.8	5.0
020-040	.6	.8	.4	.2	.3							2.3	9.7	6.0
050-070	.4	6.9	3.7	3.0	1.0	.3	.1					15.5	11.5	10.0
(E) 080-100	1.0	6.9	8.8	7.0	3.3	.7	.2	.1				28.1	13.4	13.0
110-130	.4	3.8	4.2	2.7	.6		.1	.3	.1			12.3	12.8	12.0
140-160	.1	1.8	.3									2.2	7.6	7.5
(S) 170-190	.1	.6	.2	.1								1.0	8.4	7.0
200-220	.1	.3	.6									1.0	9.0	10.0
230-250	.1	1.8	.7	.1	.2							2.9	9.2	8.0
(W) 260-280	.3	1.8	2.7	2.2	1.5	1.6	.1	.2				10.4	16.5	16.0
290-310	.9	5.2	4.8	3.5	1.2	.3	.1	.2	.1			16.4	12.5	11.0
320-340	1.1	1.9	.9	.3								4.2	8.0	7.5
VARIABLE														
CALM	////////////////////////////////////											1.5	////////////////////////////////	
TOTALS	5.8	33.0	27.4	19.2	8.1	2.9	.6	.8	.2			100.0	12.2	11.0
TOTAL NUMBER OF OBSERVATIONS 896														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.8	.3									1.3	8.1	8.0
020-040	.9	1.7	.7	.6	.2							4.2	9.1	8.0
050-070	.9	2.9	3.0	2.2	1.5	.2	.1					10.8	12.8	12.0
(E) 080-100	.5	6.5	8.2	6.1	2.2	.9	.3	.1	.2			25.0	13.7	12.0
110-130	.1	7.2	6.0	2.5	.7	.2	.2	.1				17.1	11.9	11.0
140-160	.3	2.0	.7									3.0	7.8	7.5
(S) 170-190	.1	2.7	.9									3.7	8.2	8.0
200-220	.7	.7	1.3	.1								2.8	9.1	10.0
230-250	.2	1.3	1.0	.2			.3					3.1	12.0	10.0
(W) 260-280	.6	2.3	1.6	2.0	1.6	1.4	.1					9.6	15.3	15.0
290-310	.3	3.7	4.3	3.5	1.3	.3	.2	.3				14.0	13.8	12.0
320-340	.3	1.7	1.4	.2	.1							3.8	9.2	9.0
VARIABLE														
CALM	////////////////////											1.7	////////////////	
TOTALS	5.0	33.5	29.4	17.4	7.6	3.0	1.2	.5	.2			100.0	12.2	11.0
TOTAL NUMBER OF OBSERVATIONS 867														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.8	.5									2.5	7.4	6.5
020-040	1.0	1.3	.8	.6								3.7	8.5	7.5
050-070	.3	2.8	2.5	2.9	.7	.3						9.6	12.7	12.0
(E) 080-100	.6	6.9	8.1	5.1	4.0	.3	.3	.1	.1			25.6	13.6	12.0
110-130	.5	6.1	4.8	1.4	.7			.3	.1			13.9	11.4	10.0
140-160	.3	2.8	1.0									4.1	7.9	8.0
(S) 170-190	.5	2.4	1.0									3.9	8.0	8.0
200-220	.2	3.3	2.4									6.0	8.9	9.0
230-250	.3	1.3	2.2	.2	.1	.2	.1					4.5	11.5	11.0
(W) 260-280	.6	1.3	2.8	1.7	1.5	1.0	.6					9.4	16.2	16.0
290-310	.3	2.9	4.3	2.0	1.8		.1	.2				11.6	13.3	12.0
320-340	.2	1.0	1.0	.5								2.8	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////	
TOTALS	5.0	33.9	31.4	14.4	8.8	1.8	1.1	.6	.2			100.0	11.8	11.0
TOTAL NUMBER OF OBSERVATIONS 868														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.5	.5	.0								2.5	6.9	6.0
020-040	.7	1.5	.7	.3	.2	.0						3.5	8.9	7.0
050-070	.8	3.6	2.8	2.1	.9	.3	.1					10.6	11.9	11.0
(E) 080-100	.7	5.4	7.2	6.1	3.2	.6	.1	.1	.1			23.4	13.8	13.0
110-130	.6	4.9	5.0	2.3	.6	.2	.1	.2	.1			13.9	12.0	11.0
140-169	.4	1.7	.6	.1								2.8	7.7	7.0
(S) 170-190	.4	2.3	1.0	.0								3.7	8.0	8.0
200-220	.4	2.3	1.4	.0								4.1	8.3	8.0
230-250	.4	2.1	1.9	.3	.1	.0	.1					5.0	9.8	9.0
(W) 260-280	.4	2.3	3.4	2.1	1.7	1.1	.4	.1				11.5	15.4	14.0
290-310	.7	4.3	4.1	2.1	1.2	.3	.3	.2	.0			13.2	12.6	11.0
320-340	.6	2.0	.9	.2	.1							3.9	8.1	7.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	6.7	33.9	29.5	15.6	8.0	2.5	1.1	.6	.2			100.0	11.7	11.0
TOTAL NUMBER OF OBSERVATIONS 7074														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N) 350-010		.5	1.9	.9	.0								3.3	7.6	8.0
020-040		.4	2.5	1.5	.8	.4	.0						5.7	10.4	9.0
050-070		.6	4.3	4.6	4.1	1.7	.2	.2					15.6	13.0	12.0
(E) 080-100		.4	3.9	8.9	11.3	5.4	1.5	.4	.1	.0			31.9	15.7	16.0
110-130		.2	2.9	3.2	2.0	.8	.2	.2	.4	.3			10.3	14.9	13.0
140-160		.3	.6	.4									1.3	7.3	7.0
(S) 170-190		.1	.3										.4	5.4	5.5
200-220		.2	.8	.2									1.2	6.4	6.0
230-250		.2	.5	.9		.0							1.6	9.2	10.0
(W) 260-280		.3	1.1	2.4	1.7	1.4	.6	.2	.1				7.7	15.5	15.0
290-310		.6	4.8	4.5	2.5	1.8	.4	.1	.0	.0			14.6	12.7	11.0
320-340		.4	2.9	1.7	.4	.1							5.5	8.9	8.0
VARIABLE															
CALM		////////////////////////////////////											1.0	////////	
TOTALS		4.2	26.5	29.2	22.8	11.6	2.9	1.1	.6	.3			100.0	13.3	12.0
TOTAL NUMBER OF OBSERVATIONS 2468															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.4	.8	.1								1.5	9.2	10.0
020-040	.2	1.1	.4	.2								2.0	8.3	8.0
050-070	.7	2.3	1.8	1.3	.5	.1	.1					6.8	11.7	11.0
(E) 080-100	.7	3.1	4.5	5.2	3.2	3.4	1.3	.9	.2			22.4	18.4	18.0
110-130	.4	5.1	4.2	1.6	.7	.4	.2					12.6	11.4	10.0
140-160	.8	1.5	.7	.1								3.1	7.0	6.0
(S) 170-190	.5	3.0	1.0	.2								4.7	8.0	8.0
200-220	.2	3.6	1.2	.2								5.3	8.1	7.5
230-250	.3	5.1	4.1	.3	.1							9.9	9.3	9.0
(W) 260-280	.3	3.0	4.1	3.5	2.6	3.1	1.3	.2	.7			18.8	18.6	17.0
290-310	.2	1.9	2.4	2.3	1.9	1.2	.7	.4				11.0	17.7	17.0
320-340		.7	.4			.2						1.3	11.8	10.0
VARIABLE														
CALM	////////////////////////////////////											.5	////////////////////////////////	
TOTALS	4.5	30.8	25.6	15.0	9.0	8.4	3.6	1.5	.9			100.0	14.2	12.0
TOTAL NUMBER OF OBSERVATIONS 910														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.4	.4	.2								1.4	8.8	9.0
020-040	.2	1.6	.5									2.4	8.0	8.0
050-070	.5	2.2	1.5	.7	.3	.2						5.5	11.1	9.5
(E) 080-100	.9	4.9	6.5	3.1	3.6	2.9	.9	.8	.2			23.8	16.4	14.0
110-130	.3	5.6	3.3	2.0	.8	.1	.4	.3				12.8	12.3	10.0
140-160	.7	1.5	.3									2.5	6.3	6.0
(S) 170-190	.3	1.9	1.4									3.6	8.2	8.0
200-220	.5	4.8	2.0									7.3	7.9	8.0
230-250	.2	4.6	4.9	.5	.1							10.4	9.7	10.0
(W) 260-280	.1	2.4	2.1	2.6	2.8	3.5	.9	.1	.7			15.2	20.0	20.0
290-310	.1	2.1	3.8	2.7	1.6	1.4	.5	.3				12.6	16.7	15.0
320-340	.1	.9	.7	.1	.1							1.9	9.6	9.0
VARIABLE														
CALM	////////////////////////////////////											.8	////////////////////////////////	
TOTALS	4.2	32.9	27.4	11.9	9.3	8.1	2.7	1.5	.9			100.0	13.8	11.0
TOTAL NUMBER OF OBSERVATIONS 917														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.6	.7									2.6	8.0	8.0
020-040	.5	1.0	.2									1.7	6.8	6.0
050-070	.3	3.1	2.3	.8	.8							7.2	10.8	10.0
(E) 080-100	.3	4.3	5.5	4.3	2.4	3.2	1.0	.7	.3			21.9	17.1	16.0
110-130	1.2	5.0	2.0	1.4	1.2	.7	.3	.3				12.1	12.6	9.0
140-160	.2	1.6	.5									2.4	7.6	7.5
(S) 170-190	1.0	1.9	.9	.1								3.8	7.6	7.0
200-220	1.0	5.0	1.2									7.2	7.3	7.0
230-250	.1	6.4	3.2	.2								9.9	9.1	9.0
(W) 260-280	.4	3.0	4.0	3.0	3.2	2.4	1.6	.5	.4			18.6	18.5	17.0
290-310	.1	1.7	2.5	2.4	2.3	1.0	.7	.2				10.9	17.3	17.0
320-340	.3	1.0										1.3	6.7	7.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	5.7	35.6	23.0	12.2	9.9	7.3	3.6	1.7	.7			100.0	13.7	11.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.8	.4									1.5	7.6	8.0
020-040	.5	.8	.4		.2							2.0	8.6	7.0
050-070	.2	1.9	2.7	1.2	.4							6.4	11.7	12.0
(E) 080-100	.4	2.7	6.3	4.5	2.7	3.4	1.3	.4	.1			21.9	17.6	17.0
110-130	.2	5.0	2.7	1.3	1.3	.2	.5	.3	.1			11.8	13.3	10.0
140-160	.4	1.7	.7									2.8	6.9	6.0
(S) 170-190	.7	4.1	1.3									6.1	7.3	7.0
200-220	.9	3.7	1.2	.1								5.9	7.5	7.0
230-250	.4	4.1	3.2	.4								8.2	9.0	9.0
(W) 260-280	.2	2.5	4.1	3.4	3.5	2.2	2.2	.5	.4			19.1	19.2	18.0
290-310	.8	1.6	3.5	2.5	1.4	.9	.3		.2			11.2	15.4	14.0
320-340	.2	1.2	.2	.1								1.7	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	5.2	30.1	26.7	13.5	9.5	6.7	4.3	1.2	.8			100.0	13.8	11.0
TOTAL NUMBER OF OBSERVATIONS 916														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	1.1	.1									1.4	6.9	7.0
020-040	.1	1.1	1.1	.1	.3							2.7	10.8	11.0
050-070	.2	2.0	2.2	.8	.5							5.7	11.5	11.0
(E) 080-100	1.0	3.5	6.2	3.8	4.4	2.5	2.4	.4				24.2	17.4	17.0
110-130	1.0	4.8	3.4	1.6	.8	.5	.3	.1				12.5	12.0	10.0
140-160	.5	2.8	.2	.1								3.7	7.0	7.0
(S) 170-190	.8	1.5	.5	.2	.1							3.2	7.9	7.0
200-220	.3	2.5	.9									3.7	8.1	8.5
230-250	.4	5.3	2.6	.2		.1	.2	.1				9.1	9.7	8.0
(W) 260-280	.1	3.3	3.6	3.4	3.6	2.2	1.6		.4			18.2	18.1	17.0
290-310	.2	1.7	3.2	3.5	2.1	.9	.3	.2	.2			12.3	16.5	15.0
320-340	.2	1.6	.5	.1		.1						2.6	9.1	8.0
VARIABLE														
CALM	////////////////////////////////////											.7	////////////////////////////////	
TOTALS	5.0	31.2	24.5	13.8	11.8	6.3	4.8	.8	.6			100.0	14.0	11.0
TOTAL NUMBER OF OBSERVATIONS 917														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.5	.2									1.9	7.9	8.0
020-040	.3	.7	1.5	.2	.3							3.1	11.0	10.0
050-070	.1	1.4	1.9	.7	.5		.1	.1				4.8	13.0	12.0
(E) 080-100	.2	5.2	6.3	4.4	4.2	2.0	2.2	.2				24.7	16.7	15.0
110-130	.4	6.3	3.3	1.5	1.3	.8	.3					14.0	12.3	10.0
140-160	.4	1.0	.7	.2								2.3	8.5	7.0
(S) 170-190	.3	1.1	.9									2.3	8.2	8.0
200-220	.1	2.4	1.5									4.0	8.5	8.0
230-250	1.0	3.8	2.5	.3	.2	.1	.3					8.3	10.2	9.0
(W) 260-280	.5	3.7	3.2	4.0	3.0	1.3	1.2	.2	.8			17.9	17.5	16.0
290-310	.2	3.0	2.6	4.7	2.1	.9	.5	.1				14.1	15.8	17.0
320-340	.1	1.0	.5	.2	.1	.1						2.1	11.3	9.0
VARIABLE														
CALM	////////////////////////////////////											.5	////////////////////////////////	
TOTALS	3.7	31.1	25.1	16.2	11.7	5.2	4.6	.6	.8			100.0	14.1	12.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.3	.5	1.0									1.8	3.5	10.0
020-040	.1	.9	.8	.4								2.1	10.1	10.0
050-070	.1	1.6	1.5	.9	.5	.3	.1					5.0	13.1	12.0
(E) 080-100	.1	5.2	5.0	5.3	4.9	1.8	2.1	.1				24.6	16.7	16.0
110-130	.6	4.3	2.9	1.8	1.0	.4	.1					11.1	12.0	10.0
140-160	.5	2.1	.6									3.3	7.5	7.5
(S) 170-190	.5	1.8	.9	.1								3.3	8.0	8.0
200-220	.4	3.0	1.9									5.3	8.2	8.0
230-250	.9	4.8	2.1	.4			.4					8.6	9.5	8.0
(W) 260-280		3.1	3.0	4.4	2.9	1.4	.4	.4	.5			16.1	17.5	16.0
290-310	.3	1.9	3.9	4.3	2.8	.9	.1	.1	.3			14.5	16.5	16.0
320-340	.4	1.4	.8	.5	.6							3.7	11.9	10.0
VARIABLE														
CALM	////////////////////////////////////										.8	////////////////////////////////		
TOTALS	4.2	30.6	24.4	18.1	12.7	4.8	3.2	.6	.8			100.0	13.8	12.0
TOTAL NUMBER OF OBSERVATIONS 794														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.1	1.3									2.5	9.0	9.5
020-040	.4	.3	.4	.1								1.1	8.7	9.0
050-070	.1	1.8	2.0	.9	.6	.4						5.8	13.0	11.0
(E) 080-100	.1	4.8	4.0	5.4	4.0	2.6	1.5	.3				22.7	17.3	17.0
110-130	1.0	3.6	4.3	2.1	1.3	.6	.1					13.0	12.3	11.0
140-160	.9	1.1	.9									2.9	7.4	8.0
(S) 170-190	.1	1.9	.9	.1								3.0	8.2	8.0
200-220	1.0	3.9	1.5									6.4	7.5	8.0
230-250	.5	5.1	4.1	.3								10.0	9.0	9.0
(W) 260-280	.4	2.3	3.6	3.4	3.8	2.8	.9		.8			17.8	19.0	18.5
290-310	.3	1.9	2.9	3.0	1.8	1.0	.5	.3				11.5	16.4	15.0
320-340	.5	.8	.4	.3		.4						2.3	11.4	9.0
VARIABLE														
CALM	////////////////////////////////////											1.0	////////////////////////////////	
TOTALS	5.4	28.6	26.3	15.6	11.5	7.8	3.0	.6	.8			100.0	14.0	12.0
TOTAL NUMBER OF OBSERVATIONS 798														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.9	.6	.0								1.8	8.3	8.0
020-040	.3	.9	.7	.1	.1							2.2	9.3	9.0
050-070	.3	2.0	2.0	.9	.5	.1	.0	.0				5.9	11.9	11.0
(E) 080-100	.5	4.2	5.6	4.4	3.6	2.7	1.6	.5	.1			23.3	17.2	16.0
110-130	.6	5.0	3.2	1.7	1.0	.5	.3	.1	.0			12.5	12.3	10.0
140-160	.6	1.7	.6	.1								2.9	7.2	7.0
(S) 170-190	.5	2.1	1.0	.1	.0							3.8	7.8	8.0
200-220	.6	3.6	1.4	.0								5.6	7.8	8.0
230-250	.5	4.9	3.3	.3	.1	.0	.1	.0				9.3	9.4	9.0
(W) 260-280	.3	2.9	3.5	3.4	3.2	2.4	1.3	.3	.6			17.7	18.6	17.0
290-310	.3	2.0	3.1	3.2	2.0	1.0	.5	.2	.1			12.3	16.5	16.0
320-340	.2	1.1	.4	.2	.1	.1						2.1	10.1	9.0
VARIABLE														
CALM	////////////////////											.7	////////////////	
TOTALS	4.9	31.3	25.4	14.4	10.6	6.8	3.8	1.1	.8			100.0	13.9	12.0

TOTAL NUMBER OF OBSERVATIONS 7082

RATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
 AND/OR  
 VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.5	.8	.1								2.7	8.3	8.0
020-040	.5	.9	1.0	.2	.1							2.7	9.3	9.0
050-070	.3	2.9	3.3	1.9	.8							9.2	11.9	11.0
(E) 080-100	.5	3.8	7.7	5.7	4.4	4.5	1.7	.6	.2			29.2	17.9	17.0
110-130	.3	3.8	2.3	1.6	1.6	.7	.4	.2	.0			10.9	14.3	12.0
140-160	.4	1.1	.1									1.6	6.0	6.0
(S) 170-190	.3	.9	.0	.0								1.3	6.4	6.0
200-220	.3	2.2	.2									2.7	6.4	6.0
230-250	.5	4.3	2.1	.2		.0	.1					7.1	8.7	8.0
(W) 260-280	.4	2.7	3.2	2.3	3.6	2.7	1.0	.2	.1			16.0	18.0	18.0
290-310	.2	2.2	3.1	3.1	2.2	1.6	.6	.2	.2			13.4	17.4	16.5
320-340	.2	1.4	.5	.2	.2	.2						2.7	11.0	9.0
VARIABLE														
CALM	////////////////////////////////////											.7	////////////////////////////////	
TOTALS	4.2	27.7	24.3	15.3	12.9	9.7	3.8	1.2	.5			100.0	14.8	13.0
TOTAL NUMBER OF OBSERVATIONS 3014														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.1										1.8	5.9	6.0
020-040	.2	1.1	.2									1.5	6.6	6.0
050-070	.5	2.0	1.0	.5	.4	.1						4.4	10.1	8.0
(E) 080-100	.1	4.4	6.7	7.5	5.6	4.2	3.1	.6				32.1	18.6	17.0
110-130	.8	5.1	3.9	2.7	1.8	1.1	.4					15.8	13.2	11.0
140-160	.6	1.2	.1									1.9	5.6	5.0
(S) 170-190	.1	1.3	.5									1.9	7.3	6.5
200-220	.5	2.6	.2									3.3	7.1	7.5
230-250	1.2	5.9	3.6	.4								11.1	8.4	8.0
(W) 260-280	.8	3.8	4.5	1.4	1.1	1.2						12.8	12.5	11.0
290-310	.6	2.6	2.7	2.5	.8	.2	.2					9.8	13.2	12.0
320-340	.1	1.1	.1	.1								1.4	7.8	7.0
VARIABLE														
CALM	////////////////////											2.1	////////	
TOTALS	6.2	32.2	23.5	15.1	9.7	6.8	3.7	.6				100.0	13.1	11.0
TOTAL NUMBER OF OBSERVATIONS 841														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.5										.9	5.3	5.5
020-040	.9	.7										1.6	4.5	4.0
050-070	.7	1.9	1.3	.3								4.2	8.0	7.5
(E) 080-100	.3	5.6	6.8	6.8	6.3	4.1	3.8	.3				34.0	18.2	17.0
110-130	.6	4.8	3.4	1.6	2.2	1.0	.3					14.0	13.7	11.5
140-160	.2	1.4	.3	.1								2.1	7.6	6.0
(S) 170-190	.5	.7	.7									1.9	7.6	8.0
200-220	.5	2.9	.6									4.0	6.8	7.0
230-250	1.3	4.4	2.4	.5								8.6	8.3	8.0
(W) 260-280	.8	4.3	4.5	1.5	1.0	.9	.3					13.5	12.5	10.0
290-310	.5	2.8	4.9	3.3	.5	.3		.5				12.7	13.3	12.0
320-340	.2	.5	.1	.2								1.0	9.6	8.0
VARIABLE														
CALM	////////////////////////////////////											1.5	////////	
TOTALS	7.0	30.5	25.0	14.3	10.0	6.3	4.4	.8				100.0	13.3	11.0
TOTAL NUMBER OF OBSERVATIONS 859														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE IND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.7										1.4	4.3	4.5
020-040	.6	.9	.1									1.6	5.4	5.0
050-070	.2	2.0	.7	.3	.9	.1						4.3	12.3	9.0
(E) 080-100	.5	6.3	7.6	6.2	5.8	4.5	2.8	.3				34.0	17.4	16.0
110-130	.9	4.4	2.3	2.6	1.4	1.6	.2	.1				13.6	13.9	12.0
140-160	.7	.9	.3									2.0	6.1	5.0
(S) 170-190	.5	2.0	.5									2.9	7.2	7.0
200-220	.5	1.4	.5									2.3	6.8	7.5
230-250	.5	3.8	1.4									5.7	8.2	8.0
(W) 260-280	.6	6.3	6.1	1.7	1.5	.9	.1	.1				17.3	12.3	10.0
290-310	.3	2.8	3.4	3.3	.5	.3	.5	.1				11.2	13.9	13.0
320-340	.1	.9	.1		.1							1.3	7.9	7.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	6.1	32.4	23.0	14.1	10.2	7.4	3.6	.6				100.0	13.2	12.0
TOTAL NUMBER OF OBSERVATIONS 859														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.8	.1									1.0	6.4	6.0
020-040	.1	.9	.2									1.3	7.1	7.0
050-070	.8	2.1	1.4	.9	.7	.3						6.2	11.7	10.0
(E) 080-100	.7	5.9	8.3	5.8	4.4	4.4	2.2	.8				32.6	17.1	16.0
110-130	.8	3.6	2.5	2.2	2.6	1.1	.8	.1				13.8	15.1	14.0
140-160	.6	1.6	.1									2.3	5.8	5.5
(S) 170-190	.7	1.1	.8	.1								2.7	7.5	6.5
200-220	.7	2.4	.6									3.6	7.0	7.5
230-250	.8	4.0	1.8	.1								6.7	7.9	8.0
(W) 260-280	.1	4.6	6.5	2.1	1.3	.8	.8	.5				16.5	14.0	11.0
290-310	.8	1.1	3.2	3.6	.5		.6	.2				10.0	14.7	14.0
320-340	.5	.7										1.1	5.5	5.0
VARIABLE														
CALM	////////////////////											2.1	////////	
TOTALS	6.7	28.8	25.5	14.8	9.5	6.6	4.4	1.6				100.0	13.5	12.0
TOTAL NUMBER OF OBSERVATIONS 877														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.9	.1									1.5	5.9	6.0
020-040	.1	.9	.2									1.3	7.5	8.0
050-070	.5	3.2	2.0	1.2	.3		.2					7.4	11.1	9.5
(E) 080-100	.6	5.4	7.1	6.6	6.0	4.3	2.0	.7				32.6	17.4	17.0
110-130	.6	3.5	2.9	2.5	1.4	1.3	.7	.3				13.2	15.4	14.0
140-160	.7	.3	.5									1.5	6.4	5.0
(S) 170-190	.6	.8										1.4	5.3	5.0
200-220	.6	2.5	.3		.1							3.6	7.5	7.0
230-250	.6	6.1	2.3	.1								9.1	8.1	8.0
(W) 260-280	.7	5.4	5.6	2.0	.9	.9	.5	.1	.1			16.2	12.8	11.0
290-310	.3	1.4	3.0	2.0	1.0	.3	.5	.8				9.4	16.7	14.0
320-340	.2	.5	.1									.8	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	6.0	30.9	24.1	14.4	9.7	6.8	3.9	1.9	.1			100.0	13.6	12.0
TOTAL NUMBER OF OBSERVATIONS 864														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.6	.2									1.4	6.5	6.5
020-040	.5	1.8	.3				.1					2.7	7.9	7.0
050-070	.6	3.0	1.9	1.4	.1	.3						7.3	10.8	10.0
(E) 080-100	.9	5.3	7.0	5.0	5.1	5.1	2.3	.7				31.4	17.8	18.0
110-130	.3	4.6	3.0	2.2	2.2	.9	.6					13.7	14.2	12.0
140-160	.5	1.3	.2		.1							2.1	7.2	6.0
(S) 170-190	.6	1.5										2.1	6.1	6.5
200-220	.3	2.1	.5									2.9	7.0	7.0
230-250	.3	5.8	3.0									9.1	8.4	8.0
(W) 260-280	.9	4.6	4.6	1.8	1.1	1.0	.3					14.4	13.0	11.5
290-310	.1	2.7	2.5	1.9	1.4	.8	.3	.5				10.3	15.7	14.0
320-340	.3	.2			.1							.7	7.8	5.5
VARIABLE														
CALM	////////////////////											2.1	////////	
TOTALS	5.9	33.5	23.2	12.3	10.1	8.1	3.6	1.2				100.0	13.4	11.0
TOTAL NUMBER OF OBSERVATIONS 876														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.2	.4									1.7	8.6	8.5
020-040	.7	.6	.4	.1								1.9	7.3	5.0
050-070	1.2	1.2	2.0	1.2	.4							6.1	10.6	10.0
(E) 080-100	.7	5.2	6.9	5.8	5.8	4.5	2.5	.1				31.6	17.5	17.0
110-130	.9	4.0	2.1	2.6	1.6	1.4	.2					12.8	13.9	13.0
140-160	.5	1.1	.4			.1						2.1	7.8	7.0
(S) 170-190	.7	.9	.4									2.0	5.8	5.5
200-220	.7	1.5	.2									2.5	6.1	5.5
230-250	.6	6.6	2.9	.2								10.3	8.5	8.0
(W) 260-280	.5	5.1	4.0	1.7	.9	.5	.1					12.8	11.7	10.0
290-310	.4	1.7	4.5	1.5	1.9	.7	.5					11.2	15.0	12.0
320-340	.1	.6	.6									1.4	8.7	9.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	7.1	29.7	24.8	13.1	10.6	7.2	3.3	.1				100.0	12.8	11.0
TOTAL NUMBER OF OBSERVATIONS 806														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.1	.2									1.3	7.6	7.0
020-040	.4	.6	.5									1.5	6.9	6.0
050-070	.7	2.1	1.2	1.0	.4	.2	.1					5.7	11.9	10.0
(E) 080-100	.6	3.7	8.1	6.1	6.4	3.4	2.4	.2				30.9	17.7	16.0
110-130	1.1	4.5	3.2	2.3	1.5	1.2	.6					14.4	13.6	12.0
140-160	.7	1.2	.5		.1							2.6	7.5	7.0
(S) 170-190	.6	1.0	.1									1.7	5.8	5.0
200-220	.6	1.5	1.0									3.1	7.6	8.0
230-250	.7	6.8	3.5									11.1	8.3	8.0
(W) 260-280	.6	3.3	4.6	1.1	1.1	.5						11.2	12.0	10.5
290-310	.1	3.2	4.6	2.0	1.2	.5	.4					12.0	13.4	12.0
320-340	.2	.7	.7									1.7	8.3	8.5
VARIABLE														
CALM	////////////////////////////////////											2.7	////////////////////////////////	
TOTALS	6.3	29.7	28.2	12.5	10.7	5.8	3.5	.2				100.0	12.9	11.0
TOTAL NUMBER OF OBSERVATIONS 818														

OPERATING LOCATION "A"                      PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC, ASHEVILLE NC                      FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860      STATION NAME: BARTER ISLAND AK      PERIOD OF RECORD: JAN 79 - DEC 88  
LST TO UTC: + 9                      MONTH: NOV                      HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(DEGREES)												%	WIND	WIND
(N) 350-010	.4	.9	.1									1.4	6.4	6.0
020-040	.4	1.0	.3	.0			.0					1.7	6.7	6.0
050-070	.6	2.2	1.4	.9	.4	.1	.0					5.7	10.9	10.0
(E) 080-100	.6	5.2	7.3	6.2	5.7	4.3	2.6	.5				32.4	17.7	17.0
110-130	.8	4.3	2.9	2.3	1.8	1.2	.5	.1				13.9	14.1	12.0
140-160	.6	1.1	.3	.0	.0	.0						2.1	6.8	6.0
(S) 170-190	.5	1.2	.4	.0								2.1	6.7	6.0
200-220	.5	2.1	.5		.0							3.2	7.0	7.0
230-250	.8	5.4	2.6	.2								8.9	8.3	8.0
(W) 260-280	.6	4.7	5.1	1.7	1.1	.9	.3	.1	.0			14.4	12.7	11.0
290-310	.4	2.3	3.6	2.5	1.0	.4	.4	.3				10.8	14.4	13.0
320-340	.2	.6	.2	.0	.0							1.2	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////	
TOTALS	6.4	31.0	24.7	13.8	10.0	6.9	3.8	1.0				100.0	13.2	11.0
TOTAL NUMBER OF OBSERVATIONS 6800														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	1.2	.3									1.7	7.9	8.0
020-040	.2	1.5	.6				.1					2.4	8.4	7.5
050-070	.5	2.5	2.2	1.2	.9	.2	.1					7.6	12.3	11.0
(E) 080-100	.2	3.3	4.9	5.5	8.7	9.4	6.5	1.0				39.4	21.9	23.0
110-130	.5	3.3	2.6	2.2	1.7	2.0	.3	.1				12.8	15.6	15.0
140-160	.5	1.0	.1									1.6	5.7	5.0
(S) 170-190	.2	.5										.7	5.2	5.0
200-220	.5	.6			.1							1.1	5.7	5.0
230-250	.8	2.8	1.0	.1								4.7	7.4	7.0
(W) 260-280	.6	4.0	3.7	1.5	2.4	1.6	.3					14.1	14.4	12.5
290-310	.3	1.7	2.7	3.1	1.6	.6	.5	.3				10.9	16.4	16.0
320-340	.2	.9	.6	.2								1.9	9.3	9.0
VARIABLE														
CALM	////////////////////////////////////											1.0	////////////////////////////////	
TOTALS	4.6	23.3	18.7	13.8	15.4	13.8	7.8	1.4				100.0	16.4	15.0

TOTAL NUMBER OF OBSERVATIONS 1719

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														15.0
020-040	.3	.3	.2									.9	6.1	6.0
050-070	.2	1.7	1.6	.4	.2							4.1	10.8	10.0
(E) 080-100	.8	4.8	6.7	5.8	3.8	2.0	.4	.4	.1			25.0	15.4	15.0
110-130	.9	3.5	3.5	1.6	1.0	.3	.3					11.1	12.1	11.0
140-160	.4	1.0	.3									1.8	6.3	5.0
(S) 170-190	.4	.6	.2									1.2	6.4	5.0
200-220	.7	2.7	1.0									4.4	7.6	8.0
230-250	.8	4.8	4.5	.1								10.2	8.9	9.0
(W) 260-280	1.0	3.6	8.3	2.8	1.8	.7	.7	.6	.2	.1		19.7	14.3	12.0
290-310	1.0	2.0	4.3	4.6	4.1	1.5	.4	.3				18.3	16.6	16.0
320-340	.3	.2	.1	.2								.9	8.5	7.5
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	6.8	25.2	30.7	15.5	10.9	4.5	1.8	1.3	.3	.1		100.0	13.1	11.0
TOTAL NUMBER OF OBSERVATIONS 892														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.1	.1									.3	6.7	5.0
020-040	.5	.1	.1									.8	4.7	3.0
050-070	.8	1.9	2.1	.5	.2							5.5	9.7	10.0
(E) 080-100	.7	5.1	5.7	5.7	3.4	2.4	.7	.7				24.3	15.8	15.0
110-130	1.6	3.6	2.6	1.3	1.2	.5		.1				11.0	11.8	10.0
140-160	.4	.7	.4									1.5	7.0	6.0
(S) 170-190	.5	.9	.3									1.7	6.2	6.0
200-220	.8	1.1	.4	.2								2.5	7.5	7.0
230-250	.8	4.0	5.0	.2								10.1	9.1	10.0
(W) 260-280	1.0	3.9	7.4	4.2	1.1	.7		.4	.2	.2		19.1	13.9	12.0
290-310	.4	1.0	4.5	4.6	3.4	2.3	.8	.2		.1		17.3	18.2	18.0
320-340	.1	.3	.7	.2	.2							1.5	12.4	11.5
VARIABLE														
CALM	////////////////////											4.4	////////	
TOTALS	7.7	22.7	29.3	16.9	9.5	5.9	1.5	1.4	.2	.3		100.0	13.0	12.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC      HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010				.1								.1	15.0	15.0
020-040	.3	.8	.1									1.2	6.1	6.0
050-070	.4	1.8	1.4	.7	.1	.1						4.5	10.1	10.0
(E) 080-100	.7	4.6	6.7	5.6	3.8	2.1	.4	.4				24.3	15.6	15.0
110-130	.5	4.1	3.0	1.8	.7	.4	.2	.1				10.7	12.4	11.0
140-160	.7	1.1	.8									2.5	7.1	7.0
(S) 170-190	.5	1.0	.2									1.8	5.8	5.0
200-220	.7	2.4	.5									3.6	7.2	7.0
230-250	.8	4.3	3.6	.2								8.9	8.9	9.0
(W) 260-280	1.0	4.7	7.7	3.5	1.0	.9	.3		.3	.3		19.7	13.9	12.0
290-310	.3	1.6	4.1	4.9	3.5	1.9	.8	.5	.1			17.8	18.2	17.0
320-340	.2	.2	.5	.2								1.2	10.3	10.0
VARIABLE														
CALM	////////////////////////////////////											3.6	////////////////////////////////	
TOTALS	6.1	26.6	28.6	17.0	9.1	5.4	1.7	1.0	.4	.3		100.0	13.1	12.0
TOTAL NUMBER OF OBSERVATIONS 912														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.3	.5	.1									1.0	5.8	6.0
020-040	.4	.2		.1								.8	5.7	4.0
050-070	.3	2.4	2.0	.4		.1						5.2	9.6	9.0
(E) 080-100	.7	4.4	5.8	6.1	3.4	1.6	.8	.4				23.2	15.5	15.0
110-130	.9	3.6	3.7	2.0	.8	.8	.1					11.8	12.3	11.0
140-160	.7	1.1	.7									2.4	7.5	8.0
(S) 170-190	.3	1.7										2.1	5.9	6.0
200-220	.2	1.5	.8	.1								2.6	8.6	8.0
230-250	1.0	4.2	4.2	.2								9.5	8.9	9.0
(W) 260-280	.5	4.3	8.3	3.5	.8	.7		.1	.2	.2		18.6	13.4	12.0
290-310	.4	1.4	3.7	5.5	3.4	2.5	.5	.3	.5			18.4	18.7	17.0
320-340		.3	.2									.5	9.2	9.0
VARIABLE														
CALM	////////////////////////////////////										3.9	////////////////////////////////		
TOTALS	5.7	25.6	29.5	17.9	8.4	5.7	1.4	.8	.7	.2		100.0	13.0	12.0
TOTAL NUMBER OF OBSERVATIONS 915														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.7	.1									1.0	5.6	5.0
020-040	.4	.4										.9	4.8	4.5
050-070	.2	3.7	1.3	.3								5.5	8.5	8.0
(E) 080-100	1.2	6.0	5.8	5.4	3.5	1.8	1.1	.2				25.0	14.9	14.0
110-130	.8	3.5	3.7	1.9	.8	.3	.2	.1				11.3	12.3	10.5
140-160	.1	1.6	.2	.2								2.1	8.3	7.0
(S) 170-190	.8	1.2	.6									2.5	6.7	7.0
200-220	.9	1.6	.8									3.2	7.0	6.0
230-250	.9	4.9	3.8	.2								9.7	8.6	9.0
(W) 260-280	.7	3.2	8.9	3.5	1.2	1.0	.4		.3	.3		19.6	14.6	12.0
290-310	.4	1.1	4.1	3.9	2.2	1.3	.4	.4	.3			14.3	17.8	16.0
320-340	.1	.2	.8									1.1	9.7	10.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	6.7	28.1	30.1	15.4	7.7	4.4	2.1	.7	.6	.3		100.0	12.6	11.0

TOTAL NUMBER OF OBSERVATIONS 903

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.2	.3									.8	7.9	7.0
020-040	.4	.2	.1									.8	5.4	4.0
050-070	1.7	3.2	1.4	.7	.2	.1						7.3	8.5	7.5
(E) 080-100	1.7	6.2	5.0	5.8	4.0	1.7	.8	.2				25.2	14.5	14.0
110-130	1.0	3.7	3.1	1.3	.9	1.1						11.1	12.2	12.0
140-160	1.0	.8	.6									2.3	6.5	5.0
(S) 170-190	.1	.9	.9									1.9	9.0	9.0
200-220	.7	1.7	.2									2.5	6.7	7.0
230-250	.9	5.2	5.2	.1								11.3	8.9	9.0
(W) 260-280	.6	3.6	8.0	4.3	1.2	1.3	.4	.1		.3		19.9	14.7	13.0
290-310	.2	.9	2.5	3.7	2.3	1.3	.8	.6	.2			12.5	19.3	18.0
320-340	.1	.6	.4									1.1	8.2	8.5
VARIABLE														
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	8.6	27.2	27.7	15.9	8.6	5.5	2.0	.9	.2	.3		100.0	12.7	12.0
TOTAL NUMBER OF OBSERVATIONS 909														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.9										1.0	6.3	5.5
020-040	.5	.4										.9	4.1	4.0
050-070	.6	3.5	.9	.6	.4							6.1	9.0	7.0
(E) 080-100	1.8	4.9	6.3	5.5	4.7	.8	.9	.1				25.0	14.6	14.0
110-130	1.1	4.3	2.9	1.5	1.8	.4	.1					12.1	12.1	10.5
140-160	.3	.5	.5									1.3	8.2	7.0
(S) 170-190	.4	.5	.8			.1						1.8	10.3	9.0
200-220	.8	2.4	1.1									4.3	7.6	7.0
230-250	.3	5.7	4.3									10.2	8.9	9.0
(W) 260-280	.4	4.5	6.3	3.4	1.6	1.4	.9		.4			18.9	15.0	13.0
290-310	.4	1.5	2.5	2.8	3.3	1.8	.9	.1		.1		13.4	18.3	18.0
320-340	.5	.1	.4									1.0	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	7.2	29.2	26.0	13.8	11.8	4.5	2.8	.2	.4	.1		100.0	12.6	12.0
TOTAL NUMBER OF OBSERVATIONS 793														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4											.4	2.7	3.0
020-040	.3	.3	.3									.8	7.8	8.5
050-070	.4	1.4	1.1	.4	.4							3.6	10.8	10.0
(E) 080-100	1.0	6.9	5.4	5.4	4.5	.9	.8	.5				25.4	14.6	14.0
110-130	.9	3.5	3.4	2.1	1.0	.5	.1	.1				11.7	12.5	11.0
140-160	.6	1.1	.4									2.1	6.4	6.0
(S) 170-190	1.4	.6	.3	.1								2.4	5.7	4.0
200-220	.4	2.9	1.4	.1								4.8	8.0	7.0
230-250	.4	5.5	3.1									9.1	8.5	9.0
(W) 260-280	.3	5.0	8.4	2.6	1.1	.5	1.6	.1	.4	.3		20.4	14.8	11.0
290-310	.1	1.0	3.8	3.4	3.8	2.1	.5					14.7	18.1	18.0
320-340	.4	.5	.3	.1								1.3	7.2	6.0
VARIABLE														
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	6.6	28.7	27.9	14.2	10.8	4.0	3.0	.7	.4	.3		100.0	12.8	11.0
TOTAL NUMBER OF OBSERVATIONS 795														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.3	.1	.0								.6	6.3	5.0
020-040	.4	.3	.1	.0								.9	5.6	5.0
050-070	.6	2.4	1.5	.5	.2	.0						5.2	9.5	9.0
(E) 080-100	1.0	5.3	5.9	5.7	3.9	1.7	.7	.4	.0			24.7	15.1	15.0
110-130	1.0	3.7	3.2	1.7	1.0	.6	.1	.1				11.3	12.2	11.0
140-160	.5	1.0	.5	.0								2.0	7.1	6.0
(S) 170-190	.6	.9	.4	.0		.0						1.9	6.9	6.0
200-220	.6	2.0	.8	.1								3.5	7.5	7.0
230-250	.7	4.8	4.2	.1								9.9	8.8	9.0
(W) 260-280	.7	4.1	7.9	3.5	1.2	.9	.5	.2	.3	.2		19.5	14.3	12.0
290-310	.4	1.3	3.7	4.2	3.2	1.8	.6	.3	.2	.0		15.9	18.1	17.0
320-340	.2	.3	.4	.1	.0							1.1	9.3	10.0
VARIABLE														
CALM	////////////////////////////////////											3.6	////////////////////////////////	
TOTALS	6.9	26.4	28.7	15.9	9.5	5.0	1.9	1.0	.5	.2		100.0	12.9	12.0
TOTAL NUMBER OF OBSERVATIONS 7034														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.0	.4	.1								1.8	7.0	5.5
020-040	.4	.7	.1									1.2	5.8	6.0
050-070	.5	4.3	2.4	.5	.6	.2						8.5	10.3	9.0
(E) 080-100	.8	3.5	3.7	8.5	7.1	4.2	1.8	.6				30.2	18.6	19.0
110-130	.6	2.0	2.3	2.9	2.9	1.5	.7	.2				13.1	17.3	18.0
140-160	.2	.4	.1									.7	7.3	8.0
(S) 170-190	.1	.4	.1									.5	6.9	7.0
200-220	.4	.4										.8	4.9	4.0
230-250	.2	1.8	.2	.2								2.5	8.1	7.0
(W) 260-280	.5	2.1	3.5	3.7	2.5	1.2			.1			13.5	15.4	15.0
290-310	.1	1.0	3.2	5.4	8.4	4.7	.2	.1	.2			23.4	20.0	21.0
320-340	.5	.5	.4	.3	.1							1.8	8.8	7.0
VARIABLE														
CALM	////////////////////											1.9	////////	
TOTALS	4.6	18.1	16.4	21.6	21.6	11.8	2.7	.9	.3			100.0	16.2	17.0

TOTAL NUMBER OF OBSERVATIONS 1362

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.5	1.1	.2	.0								1.8	6.0	6.0
020-040	.6	1.3	.2	.0	.0	.0	.0					2.3	6.5	6.0
050-070	.7	4.3	3.1	1.2	.3	.1	.0	.0				9.8	10.0	9.0
(E) 080-100	.7	6.1	9.7	7.3	3.5	1.5	.6	.2	.0			29.7	14.4	14.0
110-130	.6	3.7	3.4	1.7	.7	.3	.1	.1	.0			10.7	12.1	11.0
140-160	.4	1.0	.3	.0	.0	.0						1.7	7.1	7.0
(S) 170-190	.4	1.1	.4	.0	.0	.0						1.9	7.2	7.0
200-220	.4	1.6	.6	.0	.0							2.7	7.6	7.0
230-250	.6	3.5	2.9	.2	.0	.0	.0	.0				7.2	9.0	9.0
(W) 260-280	.5	4.0	5.4	2.4	1.2	.8	.4	.1	.1	.0		14.9	13.7	12.0
290-310	.6	3.3	3.4	2.5	1.4	.7	.4	.2	.1	.0		12.6	14.4	13.0
320-340	.5	1.5	.4	.1	.0	.0	.0	.0				2.7	7.4	6.0
VARIABLE														
CALM	////////////////////////////////////											2.1	////////////////////////////////	
TOTALS	6.5	32.5	30.0	15.4	7.1	3.4	1.5	.6	.2			100.0	12.0	11.0
TOTAL NUMBER OF OBSERVATIONS: 83826														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(DEGREES)											%	WIND	WIND
(N) 350-010	.5	1.5	.4	.0							2.4	7.0	6.0
020-040	.5	1.7	.6	.1	.1	.0	.0				3.0	7.9	7.0
050-070	.5	4.8	4.6	2.3	.6	.1	.0				12.9	11.3	11.0
(E) 080-100	.5	4.7	10.0	10.6	5.9	3.0	1.2	.3	.0		36.2	16.4	16.0
110-130	.3	2.4	2.7	2.4	1.1	.5	.2	.1	.0		9.8	14.4	13.0
140-160	.3	.5	.1	.0	.0						.9	6.4	6.0
(S) 170-190	.2	.3	.0	.0							.6	5.8	6.0
200-220	.3	.7	.1		.0						1.0	5.9	6.0
230-250	.4	1.8	.7	.1	.0	.0	.0				2.9	7.9	8.0
(W) 260-280	.3	2.6	3.1	2.2	1.9	.9	.2	.0	.0		11.3	14.9	14.0
290-310	.4	3.3	3.6	3.2	2.7	1.2	.2	.1	.1		14.7	15.2	15.0
320-340	.5	1.9	.7	.2	.1	.0	.0				3.4	8.3	7.0
VARIABLE													
CALM	////////////////////////////////////										1.0	////////////////////////////////	
TOTALS	4.7	26.2	26.6	21.1	12.4	5.7	1.8	.5	.1		100.0	13.8	13.0

TOTAL NUMBER OF OBSERVATIONS: 21749



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.0	45.9	47.5	48.7	50.6	51.3	52.2	52.7	53.2	55.2	57.5	57.6	59.9	60.5	61.6	62.2
GE 20000	47.1	48.0	49.6	50.9	52.9	53.6	54.8	55.2	55.7	58.0	60.7	60.8	63.2	63.8	65.1	65.6
GE 18000	47.1	48.0	49.6	50.9	52.9	53.6	54.8	55.2	55.7	58.0	60.7	60.8	63.2	63.8	65.1	65.6
GE 16000	47.1	48.0	49.6	50.9	52.9	53.6	54.8	55.2	55.7	58.0	60.7	60.8	63.2	63.8	65.1	65.6
GE 14000	47.1	48.0	49.6	50.9	52.9	53.6	54.8	55.2	55.7	58.0	60.7	60.8	63.3	63.9	65.2	65.8
GE 12000	47.9	48.8	50.4	51.7	53.7	54.4	55.6	56.0	56.5	58.8	61.5	61.6	64.1	64.7	66.0	66.6
GE 10000	51.8	52.7	54.3	55.6	57.6	58.3	59.5	60.7	61.2	63.7	66.8	66.9	69.4	70.0	71.2	71.8
GE 9000	52.8	53.8	55.6	56.8	58.9	59.7	60.9	62.2	62.7	65.2	68.4	68.5	71.0	71.3	72.9	73.4
GE 8000	53.7	54.9	56.6	57.8	59.9	60.7	62.0	63.6	64.0	66.6	69.8	69.9	72.5	73.1	74.3	74.9
GE 7000	54.5	55.8	57.5	58.8	60.9	61.7	63.0	64.7	65.2	67.9	71.1	71.2	74.0	74.6	75.9	76.5
GE 6000	54.5	56.0	57.7	59.0	61.2	62.0	63.2	64.9	65.4	68.2	71.4	71.5	74.2	74.8	76.2	76.7
GE 5000	55.0	56.5	58.3	59.6	61.7	62.7	63.9	65.6	66.1	68.8	72.1	72.2	74.9	75.5	76.9	77.4
GE 4500	55.1	56.6	58.4	59.7	61.9	62.8	64.0	65.8	66.2	69.0	72.2	72.3	75.0	75.6	77.0	77.5
GE 4000	55.6	57.0	58.9	60.4	62.7	63.6	64.8	66.6	67.0	69.8	73.0	73.1	75.8	76.4	77.9	78.8
GE 3500	55.7	57.2	59.3	60.8	63.1	64.0	65.4	67.1	67.6	70.3	73.7	73.8	76.5	77.1	78.6	79.5
GE 3000	56.0	57.5	59.7	61.2	63.5	64.4	65.8	67.6	68.0	70.9	74.2	74.3	77.1	77.7	79.2	80.6
GE 2500	56.2	58.1	60.8	62.5	64.8	65.8	67.4	69.2	69.6	72.5	75.8	75.9	78.7	79.3	80.8	82.2
GE 2000	57.0	59.0	62.0	63.7	66.0	66.9	68.5	70.4	70.9	74.1	77.5	77.7	80.4	81.0	82.5	84.0
GE 1800	57.7	59.7	62.7	64.4	66.8	67.7	69.3	71.2	71.7	74.9	78.4	78.5	81.2	81.8	83.3	84.8
GE 1500	59.0	60.9	63.9	65.8	68.3	69.2	70.8	72.7	73.2	77.0	80.8	80.9	84.0	84.5	86.1	88.1
GE 1200	60.0	62.1	65.2	67.4	70.2	71.2	73.0	75.0	75.5	79.4	83.2	83.3	86.5	87.1	88.9	91.2
GE 1000	61.5	63.6	66.8	69.0	71.9	73.1	75.0	77.3	78.1	82.4	86.8	86.9	90.1	90.7	92.7	95.0
GE 900	61.5	63.7	67.1	69.4	72.6	73.8	75.7	78.0	78.8	83.0	87.5	87.6	90.8	91.4	93.4	95.6
GE 800	61.6	63.8	67.2	69.5	72.7	73.9	75.8	78.1	78.9	83.2	87.6	87.7	91.0	91.5	93.5	95.8
GE 700	62.1	64.3	67.8	70.1	73.4	74.6	76.5	78.8	79.6	83.8	88.3	88.4	91.6	92.2	94.2	96.4
GE 600	62.2	64.4	67.9	70.2	73.5	74.7	76.6	79.0	79.8	84.1	88.8	88.9	92.2	92.8	94.7	97.0
GE 500	62.2	64.4	67.9	70.2	73.5	74.7	76.6	79.0	79.8	84.1	88.8	88.9	92.2	92.8	95.0	97.5
GE 400	62.3	64.5	68.3	70.6	74.2	75.4	77.3	79.7	80.5	84.8	89.5	89.6	92.9	93.5	95.6	98.2
GE 300	62.4	64.6	68.4	70.7	74.3	75.5	77.5	80.0	80.8	85.0	89.7	89.8	93.1	93.7	96.2	99.2
GE 200	62.5	64.7	68.5	70.8	74.5	75.6	77.7	80.1	80.9	85.1	89.8	89.9	93.2	93.8	96.6	99.7
GE 100	62.5	64.7	68.5	70.8	74.5	75.6	77.7	80.1	80.9	85.1	89.8	89.9	93.2	93.8	96.6	99.7
GE 000	62.5	64.7	68.5	70.8	74.5	75.6	77.7	80.1	80.9	85.1	89.8	89.9	93.2	93.8	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 873

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.3	45.8	48.3	50.6	52.2	52.9	54.5	56.3	56.7	58.5	60.5	60.6	62.7	62.8	64.3	64.6
GE 20000	45.4	46.9	49.6	51.8	53.5	54.1	55.7	57.9	58.7	60.5	62.5	62.6	64.7	64.8	66.3	66.6
GE 18000	45.9	47.3	50.0	52.2	53.9	54.6	56.1	58.4	59.2	60.9	62.9	63.1	65.2	65.3	66.7	67.1
GE 16000	45.9	47.3	50.0	52.2	53.9	54.6	56.1	58.4	59.2	60.9	62.9	63.1	65.2	65.3	66.7	67.1
GE 14000	45.9	47.3	50.0	52.2	53.9	54.6	56.1	58.4	59.2	60.9	62.9	63.1	65.2	65.3	66.7	67.1
GE 12000	46.2	47.7	50.3	52.6	54.2	54.9	56.5	58.7	59.5	61.3	63.3	63.4	65.5	65.6	67.1	67.4
GE 10000	49.0	50.4	53.1	55.4	57.0	57.8	59.4	62.1	62.8	64.8	66.9	67.0	69.1	69.2	70.6	71.2
GE 9000	49.3	50.8	53.5	55.7	57.6	58.4	59.9	62.6	63.4	65.5	67.6	67.7	69.9	70.0	71.4	72.0
GE 8000	50.7	52.2	55.0	57.4	59.6	60.4	61.9	64.8	65.6	67.7	69.9	70.0	72.1	72.2	73.7	74.3
GE 7000	51.6	53.2	56.0	58.4	60.6	61.7	63.3	66.2	67.0	69.1	71.2	71.3	73.4	73.5	75.0	75.7
GE 6000	52.0	54.0	56.8	59.2	61.4	62.6	64.2	67.1	67.9	70.0	72.1	72.2	74.3	74.4	75.9	76.6
GE 5000	52.2	54.4	57.3	59.6	61.8	63.1	64.6	67.5	68.3	70.4	72.5	72.7	75.1	75.2	76.7	77.3
GE 4500	52.2	54.4	57.3	59.6	61.8	63.1	64.6	67.5	68.3	70.4	72.5	72.7	75.1	75.2	76.7	77.3
GE 4000	52.8	54.9	57.8	60.4	62.9	64.2	65.7	68.8	69.5	71.7	73.8	73.9	76.3	76.5	77.9	78.9
GE 3500	53.5	55.6	58.6	61.2	64.0	65.2	66.7	69.8	70.5	72.7	75.0	75.1	77.6	77.7	79.4	80.4
GE 3000	53.6	55.7	58.8	61.4	64.4	65.6	67.2	70.3	71.1	73.2	75.6	75.7	78.1	78.2	80.0	81.0
GE 2500	54.1	56.4	59.5	62.1	65.2	66.4	68.2	71.3	72.1	74.2	76.6	76.7	79.1	79.2	81.0	82.0
GE 2000	55.5	57.8	61.0	63.7	67.1	68.3	70.1	73.3	74.1	76.2	78.6	78.7	81.1	81.3	83.0	84.0
GE 1800	55.6	57.9	61.3	64.0	67.3	68.5	70.3	73.5	74.3	76.5	78.8	78.9	81.4	81.5	83.3	84.3
GE 1500	57.5	59.8	63.3	66.0	69.3	70.5	72.4	75.7	76.5	79.8	82.1	82.3	84.9	85.0	86.8	88.2
GE 1200	59.7	62.2	65.8	68.9	72.2	73.5	75.7	78.9	79.7	83.3	85.8	85.9	89.0	89.1	91.0	92.4
GE 1000	60.4	62.8	66.5	69.6	73.0	74.6	76.7	79.9	80.7	84.4	87.1	87.2	90.2	90.3	92.5	94.0
GE 900	60.9	63.5	67.2	70.3	73.7	75.2	77.3	80.6	81.4	85.0	87.7	87.8	90.8	91.0	93.2	94.6
GE 800	61.6	64.2	67.9	71.0	74.3	75.9	78.0	81.3	82.0	85.7	88.4	88.5	91.5	91.6	93.9	95.3
GE 700	61.7	64.6	68.3	71.4	74.8	76.3	78.5	81.7	82.5	86.2	88.8	89.0	92.0	92.1	94.3	95.8
GE 600	62.4	65.3	69.0	72.1	75.4	77.0	79.2	82.5	83.3	86.9	89.6	89.7	92.9	93.0	95.4	96.9
GE 500	62.5	65.4	69.1	72.2	75.6	77.1	79.4	82.6	83.4	87.1	89.7	89.8	93.0	93.1	95.5	97.0
GE 400	62.5	65.4	69.1	72.2	75.8	77.3	79.6	83.0	83.8	87.5	90.2	90.3	93.4	93.5	96.0	97.4
GE 300	62.7	65.6	69.3	72.4	76.2	77.8	80.0	83.5	84.3	87.9	90.6	90.7	93.9	94.0	96.8	98.5
GE 200	62.7	65.6	69.3	72.4	76.2	77.8	80.0	83.5	84.3	87.9	90.6	90.7	93.9	94.0	96.8	98.7
GE 100	62.7	65.6	69.3	72.4	76.2	77.8	80.0	83.5	84.3	87.9	90.6	90.7	93.9	94.0	96.8	98.9
GE 000	62.7	65.6	69.3	72.4	76.2	77.8	80.0	83.5	84.3	87.9	90.6	90.7	93.9	94.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 896

D - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.0	46.8	49.0	50.7	53.5	54.0	54.7	56.5	57.0	57.7	59.4	59.6	61.3	61.5	62.6	63.3
GE 20000	46.3	48.1	50.6	52.3	55.5	56.0	56.8	59.1	59.6	60.3	62.0	62.2	63.9	64.1	65.2	65.9
GE 18000	47.0	48.8	51.2	53.0	56.2	56.7	57.5	59.7	60.3	61.0	62.6	62.9	64.5	64.8	65.9	66.6
GE 16000	47.0	48.8	51.2	53.0	56.2	56.7	57.5	59.7	60.3	61.0	62.6	62.9	64.5	64.8	65.9	66.6
GE 14000	47.1	48.9	51.3	53.1	56.3	56.8	57.6	59.8	60.4	61.1	62.8	63.0	64.7	64.9	66.0	66.7
GE 12000	48.2	50.0	52.5	54.3	57.5	58.1	58.8	61.3	61.9	62.5	64.3	64.5	66.2	66.4	67.6	68.2
GE 10000	50.2	52.0	54.6	56.4	59.7	60.4	61.2	63.6	64.4	65.1	66.9	67.1	68.8	69.0	70.1	70.9
GE 9000	50.8	52.6	55.1	56.9	60.6	61.3	62.1	64.5	65.3	66.0	67.8	68.0	69.7	69.9	71.1	71.9
GE 8000	52.5	54.3	57.0	58.8	62.5	63.2	64.0	66.4	67.2	67.9	69.7	69.9	71.6	71.8	73.0	73.8
GE 7000	53.8	55.6	58.5	60.3	64.2	65.0	65.8	68.2	69.0	69.7	71.5	71.7	73.4	73.6	74.8	75.6
GE 6000	54.4	56.4	59.3	61.2	65.2	66.0	66.8	69.2	70.0	70.7	72.5	72.7	74.4	74.6	75.8	76.6
GE 5000	54.4	56.5	59.4	61.3	65.3	66.1	67.0	69.5	70.2	70.9	72.7	72.9	74.7	74.9	76.2	77.0
GE 4500	54.4	56.5	59.4	61.3	65.3	66.1	67.0	69.5	70.2	70.9	72.7	72.9	74.7	74.9	76.2	77.0
GE 4000	54.9	57.0	60.1	62.0	66.6	67.3	68.2	70.7	71.5	72.1	73.9	74.2	76.3	76.5	77.7	78.7
GE 3500	55.5	57.6	60.7	62.6	67.6	68.3	69.5	71.9	72.7	73.4	75.3	75.5	77.9	78.1	79.4	80.4
GE 3000	56.0	58.2	61.4	63.3	68.3	69.1	70.2	72.8	73.6	74.3	76.2	76.4	78.7	79.0	80.3	81.3
GE 2500	56.6	58.7	62.0	64.0	69.1	70.0	71.5	74.0	74.9	75.6	77.5	77.7	80.1	80.3	81.7	82.7
GE 2000	57.3	59.5	62.8	65.0	70.4	71.3	72.7	75.3	76.2	76.8	78.7	79.0	81.3	81.5	82.9	84.1
GE 1800	57.5	59.7	63.0	65.2	70.6	71.5	73.0	75.7	76.6	77.3	79.2	79.4	81.8	82.0	83.3	84.7
GE 1500	59.1	61.3	64.5	66.8	72.4	73.4	74.9	77.6	78.5	80.9	82.9	83.1	85.5	85.7	87.0	88.5
GE 1200	61.0	63.2	66.4	68.7	74.3	75.6	77.3	80.2	81.2	83.6	85.8	86.0	88.7	88.9	90.5	91.9
GE 1000	61.7	64.0	67.2	69.5	75.2	76.6	78.3	81.2	82.2	84.6	86.9	87.1	90.0	90.3	91.8	93.4
GE 900	62.6	65.0	68.2	70.6	76.4	77.9	79.5	82.4	83.4	85.8	88.1	88.4	91.3	91.5	93.1	94.6
GE 800	63.9	66.2	69.5	71.8	77.6	79.1	80.8	83.7	84.7	87.0	89.4	89.6	92.5	92.7	94.3	95.9
GE 700	63.9	66.6	69.8	72.3	78.1	79.5	81.2	84.1	85.1	87.5	89.8	90.0	93.0	93.2	94.7	96.4
GE 600	64.1	66.8	70.0	72.5	78.3	79.8	81.4	84.3	85.3	87.8	90.2	90.4	93.3	93.5	95.4	97.1
GE 500	64.2	66.9	70.2	72.7	78.5	80.0	81.7	84.6	85.6	88.0	90.4	90.6	93.5	93.7	95.6	97.7
GE 400	64.2	66.9	70.2	72.7	78.6	80.2	81.9	85.0	86.0	88.5	90.8	91.1	94.1	94.3	96.2	98.2
GE 300	64.2	66.9	70.2	72.7	78.9	80.4	82.2	85.3	86.4	88.8	91.2	91.4	94.5	94.7	96.9	99.2
GE 200	64.2	66.9	70.2	72.7	78.9	80.4	82.2	85.3	86.4	88.8	91.2	91.4	94.5	94.7	96.9	99.4
GE 100	64.2	66.9	70.2	72.7	78.9	80.4	82.2	85.3	86.4	88.8	91.2	91.4	94.5	94.7	96.9	99.6
GE 000	64.2	66.9	70.2	72.7	78.9	80.4	82.2	85.3	86.4	88.8	91.2	91.4	94.5	94.7	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 894

D - 2 - 3



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	46.0	47.5	48.4	50.5	50.7	52.4	53.9	54.1	55.0	55.8	56.0	56.5	56.5	57.6	58.6
GE 20000	47.7	48.6	50.1	51.2	53.8	54.2	55.9	57.7	57.9	58.9	59.8	60.1	60.5	60.5	61.6	62.7
GE 18000	47.9	48.8	50.3	51.4	54.0	54.4	56.1	57.9	58.2	59.2	60.1	60.3	60.7	60.7	61.9	62.9
GE 16000	47.9	48.8	50.3	51.4	54.0	54.4	56.1	57.9	58.2	59.2	60.1	60.3	60.7	60.7	61.9	63.2
GE 14000	48.0	48.9	50.4	51.5	54.1	54.6	56.2	58.0	58.3	59.3	60.2	60.4	60.9	60.9	62.0	63.3
GE 12000	48.9	49.8	51.4	52.5	55.3	55.8	57.5	59.3	59.5	60.5	61.4	61.6	62.1	62.1	63.2	64.6
GE 10000	51.0	51.9	53.4	54.6	57.5	57.9	59.6	61.4	61.8	63.0	63.9	64.1	64.7	64.7	66.0	67.6
GE 9000	52.4	53.3	54.9	56.0	59.1	59.5	61.2	63.0	63.3	64.6	65.6	65.8	66.4	66.5	67.8	69.4
GE 8000	53.1	54.0	55.7	56.8	59.8	60.4	62.1	63.9	64.3	65.6	66.7	66.9	67.5	67.6	69.0	70.6
GE 7000	54.7	55.7	57.5	58.6	61.6	62.4	64.2	66.0	66.5	67.7	68.8	69.1	69.7	69.9	71.2	72.9
GE 6000	55.0	56.0	57.9	59.2	62.2	63.0	64.8	66.7	67.2	68.4	69.5	69.7	70.4	70.5	71.9	73.6
GE 5000	56.0	57.0	59.1	60.3	63.3	64.2	66.0	68.1	68.5	69.7	70.9	71.1	71.8	71.9	73.2	74.9
GE 4500	56.0	57.1	59.2	60.4	63.4	64.3	66.1	68.2	68.6	69.9	71.0	71.2	71.9	72.0	73.3	75.0
GE 4000	56.1	57.3	59.3	60.6	63.8	64.7	66.6	68.7	69.2	70.4	71.5	71.8	72.6	72.7	74.0	75.7
GE 3500	56.7	57.8	59.8	61.3	64.7	65.6	67.7	69.9	70.3	71.5	73.0	73.2	74.0	74.1	75.6	76.4
GE 3000	57.1	58.4	60.7	62.4	66.3	67.3	69.4	71.5	72.0	73.2	74.7	74.9	75.7	75.8	77.3	79.1
GE 2500	57.8	59.3	61.8	63.6	67.4	68.5	70.6	72.8	73.2	74.5	75.9	76.2	76.9	77.1	78.5	80.3
GE 2000	58.6	60.1	62.5	64.5	68.5	69.6	72.1	74.2	74.8	76.2	77.6	77.8	78.7	78.9	80.3	82.1
GE 1800	58.9	60.4	62.9	64.8	68.8	70.0	72.7	74.8	75.4	76.7	78.2	78.4	79.3	79.4	80.9	82.7
GE 1500	60.1	61.5	64.5	66.4	70.6	71.8	74.6	76.7	77.3	79.8	81.2	81.4	82.3	82.5	83.9	85.7
GE 1200	61.5	63.2	67.0	69.2	73.8	74.9	78.1	80.5	81.2	83.8	85.5	85.7	86.7	86.8	88.5	90.3
GE 1000	62.1	63.8	67.6	69.7	74.6	75.7	78.9	81.9	82.6	85.2	87.0	87.2	88.2	88.3	90.0	91.8
GE 900	62.7	64.3	68.2	70.3	75.1	76.3	79.4	82.5	83.1	85.7	87.5	87.7	88.8	88.9	90.6	92.4
GE 800	63.4	65.2	69.2	71.4	76.3	77.4	80.7	83.7	84.4	87.0	88.8	89.0	90.0	90.1	91.8	93.6
GE 700	63.8	65.8	70.1	72.3	77.3	78.4	81.8	85.0	85.7	88.3	90.1	90.3	91.3	91.5	93.1	95.3
GE 600	63.9	66.0	70.4	72.7	78.0	79.1	82.5	85.8	86.5	89.2	91.0	91.2	92.4	92.5	94.7	96.9
GE 500	63.9	66.0	70.4	72.7	78.0	79.1	82.5	85.8	86.5	89.2	91.0	91.2	92.5	92.8	95.2	98.0
GE 400	64.0	66.3	70.6	73.0	78.3	79.4	82.8	86.2	86.8	89.5	91.5	91.7	92.9	93.3	95.6	98.4
GE 300	64.1	66.4	70.8	73.1	78.5	79.6	83.1	86.5	87.2	89.9	91.9	92.1	93.4	93.7	96.4	99.3
GE 200	64.5	66.7	71.1	73.5	78.9	80.0	83.5	86.8	87.5	90.2	92.2	92.5	93.7	94.0	96.7	99.9
GE 100	64.5	66.7	71.1	73.5	78.9	80.0	83.5	86.8	87.5	90.2	92.2	92.5	93.7	94.0	96.7	100.0
GE 000	64.5	66.7	71.1	73.5	78.9	80.0	83.5	86.8	87.5	90.2	92.2	92.5	93.7	94.0	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 889

D - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	46.0	47.2	48.0	49.3	49.9	51.2	52.2	52.3	53.8	55.2	55.5	56.6	56.7	57.5	58.3
GE 20000	48.5	49.1	50.6	51.4	52.7	53.2	54.6	55.8	55.9	57.5	58.9	59.2	60.4	60.5	61.3	62.5
GE 18000	49.1	49.7	51.2	52.0	53.2	53.8	55.2	56.4	56.5	58.1	59.5	59.8	61.0	61.1	61.9	63.0
GE 16000	49.1	49.7	51.2	52.0	53.2	53.8	55.2	56.4	56.5	58.1	59.5	59.8	61.0	61.1	61.9	63.0
GE 14000	49.7	50.2	51.8	52.9	54.2	54.7	56.1	57.3	57.4	59.0	60.4	60.7	61.9	62.0	62.8	64.0
GE 12000	50.7	51.3	52.9	54.0	55.3	56.0	57.6	58.8	58.9	60.5	61.9	62.2	63.4	63.5	64.3	65.5
GE 10000	52.3	52.9	54.5	55.7	57.0	58.0	59.6	61.0	61.2	62.8	64.3	64.7	65.8	65.9	66.7	67.9
GE 9000	53.6	54.2	56.0	57.2	58.8	59.7	61.3	62.7	63.0	64.8	66.3	66.6	67.8	67.9	68.7	69.9
GE 8000	54.4	55.0	56.9	58.3	60.0	61.0	62.8	64.3	64.7	66.4	67.9	68.2	69.4	69.5	70.6	71.8
GE 7000	56.9	57.5	59.7	61.2	62.9	63.9	66.1	67.6	67.9	69.6	71.1	71.5	72.7	73.1	74.1	75.4
GE 6000	57.5	58.2	60.5	62.1	63.9	64.8	67.0	68.5	68.8	70.6	72.1	72.4	73.7	74.0	75.1	76.3
GE 5000	58.4	59.1	61.4	63.0	64.8	65.7	67.9	69.4	69.7	71.5	73.0	73.3	74.6	74.9	76.1	77.5
GE 4500	58.4	59.2	61.5	63.2	65.0	65.9	68.1	69.6	70.0	71.7	73.2	73.6	74.8	75.2	76.3	77.7
GE 4000	58.8	59.6	61.9	63.6	65.5	66.5	68.8	70.3	70.7	72.4	73.9	74.2	75.6	76.0	77.1	78.5
GE 3500	59.1	59.9	62.2	64.0	66.1	67.1	69.5	71.0	71.4	73.1	74.6	74.9	76.3	76.7	77.8	79.3
GE 3000	59.2	60.0	62.5	64.3	66.6	67.7	70.3	72.2	72.6	74.4	75.9	76.2	77.6	77.9	79.2	80.7
GE 2500	59.9	60.7	63.3	65.1	67.4	68.5	71.1	73.0	73.4	75.2	76.7	77.0	78.4	78.8	80.0	81.5
GE 2000	61.0	61.8	64.4	66.5	69.1	70.3	73.0	74.8	75.3	77.0	78.6	79.0	80.4	80.7	82.2	83.7
GE 1800	61.0	61.8	64.4	66.5	69.1	70.3	73.1	75.1	75.5	77.3	78.9	79.2	80.6	80.9	82.4	83.9
GE 1500	62.7	63.5	66.2	68.2	71.1	72.5	75.8	77.9	78.4	81.2	82.9	83.3	84.6	85.0	86.5	88.0
GE 1200	63.5	64.4	67.9	70.3	73.2	74.7	78.2	80.8	81.3	84.2	85.9	86.3	87.8	88.1	89.8	91.3
GE 1000	64.2	65.1	69.1	71.5	74.4	76.1	79.9	82.6	83.1	86.3	88.0	88.3	90.0	90.3	92.0	93.5
GE 900	64.3	65.2	69.2	71.6	74.5	76.3	80.1	82.8	83.4	86.5	88.2	88.6	90.2	90.5	92.3	93.8
GE 800	64.3	65.2	69.2	71.6	74.5	76.3	80.1	82.8	83.4	86.5	88.3	88.7	90.3	90.6	92.4	93.9
GE 700	64.4	65.4	69.5	71.9	74.8	76.7	80.5	83.1	83.7	86.8	88.7	89.0	90.6	91.0	92.7	94.3
GE 600	64.4	65.4	69.5	72.1	75.4	77.3	81.1	83.9	84.5	87.6	89.5	89.8	91.5	91.8	93.9	95.7
GE 500	64.4	65.4	69.5	72.1	75.4	77.4	81.2	84.1	84.8	88.0	90.0	90.3	92.4	92.7	94.8	97.2
GE 400	64.8	65.7	70.0	72.7	76.1	78.2	82.0	84.9	85.6	88.8	90.9	91.2	93.3	93.6	95.7	98.2
GE 300	65.0	65.9	70.2	73.0	76.4	78.5	82.3	85.2	85.9	89.3	91.3	91.7	94.0	94.3	96.8	99.2
GE 200	65.2	66.2	70.4	73.2	76.7	78.8	82.6	85.5	86.1	89.5	91.6	91.9	94.3	94.7	97.2	99.7
GE 100	65.2	66.2	70.4	73.2	76.7	78.8	82.6	85.5	86.1	89.5	91.6	91.9	94.3	94.7	97.5	100.0
GE 000	65.2	66.2	70.4	73.2	76.7	78.8	82.6	85.5	86.1	89.5	91.6	91.9	94.3	94.7	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 866

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.6	45.8	46.8	47.1	48.5	48.9	49.7	50.2	50.3	52.2	53.5	53.9	54.9	55.1	56.8	57.8
GE 20000	47.8	49.1	50.1	50.5	51.8	52.3	53.3	54.0	54.1	55.9	57.3	57.7	58.7	58.9	60.8	62.0
GE 18000	48.3	49.5	50.6	51.0	52.4	52.9	53.9	54.6	54.7	56.5	58.0	58.4	59.4	59.6	61.4	62.7
GE 16000	48.3	49.5	50.6	51.0	52.4	52.9	53.9	54.6	54.7	56.5	58.0	58.4	59.4	59.6	61.4	62.7
GE 14000	49.2	50.5	51.5	51.9	53.5	54.0	55.0	55.7	55.8	57.7	59.2	59.5	60.5	60.8	62.6	63.8
GE 12000	49.9	51.1	52.2	52.6	54.2	54.9	55.9	56.6	56.8	58.6	60.1	60.4	61.4	61.7	63.5	64.8
GE 10000	52.6	53.9	55.0	55.8	57.9	58.6	59.7	60.6	60.8	62.6	64.1	64.4	65.6	65.9	67.8	69.5
GE 9000	54.3	55.6	56.8	57.6	59.6	60.3	61.8	62.7	62.8	64.6	66.1	66.5	67.6	68.0	69.9	71.5
GE 8000	55.3	56.5	57.7	58.7	61.2	61.9	63.6	64.6	64.8	66.6	68.1	68.4	69.6	69.9	71.9	73.5
GE 7000	57.4	58.7	60.0	61.4	64.0	64.6	66.5	67.5	67.6	69.5	70.9	71.3	72.4	73.1	75.1	76.9
GE 6000	57.6	58.8	60.1	61.6	64.1	64.8	66.6	68.0	68.1	69.9	71.4	71.7	72.9	73.6	75.5	77.3
GE 5000	58.4	59.6	60.9	62.4	64.9	65.6	67.4	68.8	68.9	70.7	72.2	72.5	73.7	74.7	76.7	78.7
GE 4500	58.4	59.6	60.9	62.4	64.9	65.6	67.4	68.8	68.9	70.7	72.2	72.5	73.7	74.7	76.7	78.7
GE 4000	59.2	60.4	61.9	63.4	65.9	66.6	68.4	69.8	69.9	71.7	73.3	73.7	74.9	76.0	77.9	80.1
GE 3500	59.5	60.8	62.2	63.7	66.2	66.9	69.1	70.5	70.6	72.4	74.0	74.4	75.6	76.7	78.6	80.8
GE 3000	59.8	61.1	62.6	64.1	66.6	67.3	69.5	70.8	71.1	73.1	74.7	75.1	76.5	77.6	79.6	81.9
GE 2500	60.4	61.8	63.4	65.0	67.5	68.3	70.6	72.0	72.2	74.4	76.0	76.3	77.8	78.8	80.9	83.2
GE 2000	61.7	63.0	64.6	66.2	68.8	69.6	71.9	73.3	73.9	76.1	77.8	78.1	79.6	80.7	83.1	85.4
GE 1800	61.7	63.0	64.6	66.2	68.8	69.6	71.9	73.5	74.0	76.3	78.0	78.4	80.0	81.0	83.4	85.7
GE 1500	62.4	63.7	65.4	67.0	69.8	70.6	72.9	74.8	75.4	78.5	80.5	80.9	82.5	83.5	85.9	88.4
GE 1200	63.2	64.9	67.5	69.1	71.9	72.8	75.4	77.5	78.0	81.1	83.3	83.6	85.5	86.5	89.2	91.8
GE 1000	64.0	65.8	68.9	70.6	73.5	74.4	77.3	79.4	80.0	83.1	85.4	85.7	87.6	88.7	91.8	94.3
GE 900	64.1	65.9	69.0	70.9	73.8	74.7	77.7	79.7	80.3	83.4	85.7	86.0	88.0	89.0	92	94.6
GE 800	64.2	66.0	69.1	71.1	73.9	74.8	77.8	79.9	80.4	83.5	85.8	86.2	88.1	89.1	92.2	94.7
GE 700	64.5	66.4	69.5	71.4	74.3	75.2	78.1	80.2	80.8	83.9	86.2	86.5	88.4	89.5	92.6	95.1
GE 600	64.5	66.4	69.5	71.4	74.3	75.2	78.4	80.8	81.4	84.4	86.7	87.1	89.1	90.2	93.4	95.9
GE 500	64.6	66.5	69.6	71.5	74.4	75.4	78.8	81.2	81.8	85.0	87.3	87.6	90.0	91.1	94.4	96.9
GE 400	64.9	66.7	69.8	71.7	75.4	76.4	79.9	82.4	83.0	86.2	88.4	88.8	91.2	92.2	95.5	98.1
GE 300	64.9	66.7	69.8	71.7	75.5	76.5	80.0	82.5	83.1	86.3	88.8	89.1	91.9	92.9	96.2	98.7
GE 200	64.9	66.7	69.8	71.9	75.6	76.7	80.1	82.6	83.2	86.4	88.9	89.2	92.1	93.4	96.8	99.5
GE 100	64.9	66.7	69.8	71.9	75.6	76.7	80.1	82.6	83.3	86.6	89.1	89.5	92.3	93.6	97.0	100.0
GE 000	64.9	66.7	69.8	71.9	75.6	76.7	80.1	82.6	83.3	86.6	89.1	89.5	92.3	93.6	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 874

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST O UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.5	43.0	43.8	44.9	46.9	47.4	48.6	48.7	49.4	50.7	52.5	52.5	55.2	55.6	56.6	57.7
GE 20000	45.5	46.1	46.9	48.0	50.2	50.6	52.2	52.4	53.1	54.4	56.4	56.4	59.3	59.7	60.9	62.3
GE 18000	45.5	46.1	46.9	48.0	50.6	51.0	52.6	52.8	53.5	54.8	56.9	56.9	59.7	60.1	61.3	62.7
GE 16000	45.5	46.1	46.9	48.0	50.6	51.0	52.6	52.8	53.5	54.8	56.9	56.9	59.7	60.1	61.3	62.7
GE 14000	45.6	46.3	47.1	48.2	50.7	51.2	52.8	52.9	53.6	55.0	57.0	57.0	59.8	60.2	61.5	62.8
GE 12000	46.4	47.1	47.9	49.0	51.6	52.0	53.7	53.9	54.5	55.9	57.9	57.9	60.8	61.2	62.4	63.8
GE 10000	49.0	49.8	50.9	52.1	55.0	55.4	57.1	57.7	58.3	59.8	61.9	61.9	65.4	65.8	67.3	68.8
GE 9000	49.5	50.3	51.4	52.6	55.5	55.9	58.1	58.6	59.3	60.8	62.8	62.8	66.4	66.9	68.4	69.9
GE 8000	50.7	51.6	53.1	54.3	57.5	57.9	60.5	61.1	61.7	63.2	65.3	65.3	68.9	69.5	71.0	72.5
GE 7000	52.9	53.7	55.5	57.0	60.5	60.9	63.5	64.0	64.9	66.5	68.5	68.5	72.2	72.7	74.2	76.1
GE 6000	52.9	53.7	55.5	57.0	60.5	61.2	63.8	64.3	65.1	66.8	68.8	68.8	72.5	73.0	74.5	76.4
GE 5000	53.7	54.5	56.3	57.8	61.3	62.1	64.7	65.3	66.1	67.8	70.0	70.0	73.7	74.4	75.8	77.9
GE 4500	53.9	54.7	56.4	57.9	61.5	62.3	64.9	65.4	66.2	68.0	70.1	70.1	73.8	74.5	76.0	78.2
GE 4000	54.1	55.0	56.7	58.2	61.7	62.6	65.1	65.7	66.5	68.2	70.4	70.4	74.1	74.8	76.3	78.4
GE 3500	54.4	55.2	57.0	58.5	62.0	62.8	65.4	65.9	66.8	68.5	70.7	70.7	74.4	75.0	76.5	78.7
GE 3000	54.4	55.2	57.4	58.9	62.6	63.4	65.9	66.5	67.3	69.6	71.9	71.9	75.8	76.5	78.2	80.7
GE 2500	55.5	56.6	58.9	60.4	64.0	65.0	67.6	68.1	68.9	71.2	73.5	73.5	77.5	78.2	79.8	82.4
GE 2000	56.6	57.7	60.0	61.5	65.3	66.2	68.8	69.3	70.1	72.9	75.2	75.2	79.1	79.8	81.4	84.3
GE 1800	56.7	57.8	60.1	61.6	65.4	66.4	68.9	69.5	70.3	73.0	75.3	75.3	79.4	80.1	81.7	84.5
GE 1500	57.7	58.8	61.2	62.7	66.6	67.7	70.4	71.2	72.0	75.6	78.3	78.3	82.4	83.0	84.9	88.1
GE 1200	59.4	60.9	64.3	65.9	70.0	71.2	73.9	74.9	75.7	79.2	82.0	82.0	86.0	86.7	88.6	92.1
GE 1000	60.7	62.1	65.9	67.6	71.8	73.0	75.7	76.7	77.5	81.0	83.7	83.7	87.9	88.7	90.8	94.3
GE 900	60.7	62.1	65.9	67.6	71.8	73.0	75.7	76.7	77.5	81.0	83.7	83.7	87.9	88.7	90.8	94.3
GE 800	61.2	62.7	66.5	68.1	72.3	73.5	76.3	77.2	78.0	81.5	84.3	84.3	88.6	89.4	91.5	95.0
GE 700	61.2	62.7	66.5	68.1	72.3	73.7	76.4	77.3	78.2	81.7	84.4	84.4	88.7	89.6	91.6	95.1
GE 600	61.5	63.0	66.8	68.5	73.0	74.5	77.2	78.6	79.4	82.9	85.6	85.6	90.0	90.8	93.4	96.9
GE 500	61.6	63.1	66.9	68.7	73.3	74.8	77.7	79.1	79.9	83.4	86.2	86.2	90.9	91.7	94.3	97.8
GE 400	62.1	63.6	67.4	69.3	74.2	75.7	78.7	80.1	80.9	84.5	87.2	87.2	92.0	92.8	95.4	98.9
GE 300	62.3	63.8	67.6	69.5	74.5	76.0	79.0	80.3	81.1	84.8	87.8	87.8	92.9	93.8	96.3	99.9
GE 200	62.3	63.8	67.6	69.5	74.5	76.0	79.0	80.3	81.1	84.8	87.8	87.8	92.9	93.8	96.3	99.9
GE 100	62.3	63.8	67.6	69.5	74.5	76.0	79.0	80.3	81.1	84.9	87.9	87.9	93.1	93.9	96.5	100.0
GE 000	62.3	63.8	67.6	69.5	74.5	76.0	79.0	80.3	81.1	84.9	87.9	87.9	93.1	93.9	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 737

D - 2 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
M ITH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.5	39.7	41.7	43.0	46.2	46.3	47.9	48.1	48.3	50.3	52.5	52.8	53.7	54.6	56.0	57.4
GE 20000	40.3	40.7	42.7	44.2	47.8	48.1	49.7	50.1	50.3	52.3	54.9	55.2	56.1	57.0	58.4	60.1
GE 18000	40.3	40.7	42.7	44.2	47.9	48.2	49.8	50.2	50.5	52.5	55.0	55.3	56.2	57.2	58.5	60.3
GE 16000	40.3	40.7	42.7	44.2	47.9	48.2	49.8	50.2	50.5	52.5	55.0	55.3	56.2	57.2	58.5	60.3
GE 14000	40.3	40.7	42.7	44.2	47.9	48.2	49.8	50.2	50.5	52.5	55.0	55.3	56.2	57.2	58.5	60.3
GE 12000	41.3	41.7	43.8	45.2	49.1	49.4	51.0	51.4	51.7	53.7	56.2	56.5	57.4	58.4	59.7	61.5
GE 10000	45.1	45.5	47.5	49.0	53.2	53.4	55.0	56.0	56.2	58.3	61.1	61.3	62.3	63.2	64.6	66.3
GE 9000	46.6	47.0	49.3	50.7	54.9	55.2	57.2	58.1	58.4	60.4	63.2	63.5	64.6	65.5	67.0	68.7
GE 8000	48.5	49.1	51.7	53.2	57.3	57.6	59.6	61.3	61.6	63.6	66.4	66.7	67.8	68.7	70.2	72.2
GE 7000	50.3	51.0	53.6	55.0	59.6	59.9	61.9	63.6	63.9	65.9	68.7	69.0	70.1	71.0	72.5	74.9
GE 6000	50.6	51.3	53.8	55.3	59.9	60.1	62.1	63.9	64.2	66.2	69.0	69.3	70.3	71.3	72.8	75.2
GE 5000	51.0	51.8	54.5	56.0	60.5	61.2	63.2	65.0	65.2	67.2	70.1	70.3	71.4	72.3	73.8	76.2
GE 4500	51.3	52.1	54.9	56.4	60.9	61.6	63.6	65.4	65.6	67.7	70.5	70.7	71.8	72.8	74.2	76.6
GE 4000	51.3	52.1	55.2	56.6	61.3	62.0	64.0	65.8	66.0	68.1	71.0	71.3	72.3	73.3	74.8	77.2
GE 3500	51.4	52.2	55.3	56.8	61.6	62.3	64.3	66.0	66.3	68.3	71.4	71.7	72.8	73.7	75.2	77.6
GE 3000	51.7	52.5	55.6	57.0	61.9	62.6	64.6	66.3	66.6	69.4	72.8	73.0	74.1	75.0	76.5	79.3
GE 2500	52.5	53.7	56.9	58.4	63.4	64.2	66.3	68.1	68.3	71.1	74.5	74.8	75.8	76.8	78.3	81.1
GE 2000	53.0	54.4	58.0	59.5	64.6	65.5	67.7	69.4	69.7	72.9	76.2	76.5	77.6	78.5	80.0	83.2
GE 1800	53.0	54.4	58.0	59.5	64.6	65.5	67.7	69.4	69.7	72.9	76.2	76.5	77.6	78.5	80.0	83.2
GE 1500	54.6	56.0	59.6	61.1	66.2	67.1	69.3	71.0	71.3	75.2	78.7	78.9	80.4	81.3	83.2	86.8
GE 1200	56.0	57.4	61.5	63.1	68.3	69.3	71.4	73.4	73.7	77.7	81.2	81.5	83.0	83.9	85.8	90.1
GE 1000	57.7	59.3	63.4	65.0	70.2	71.1	73.6	75.7	76.1	80.1	83.6	84.0	85.8	86.7	88.6	92.9
GE 900	57.7	59.3	63.4	65.2	70.5	71.4	73.8	76.0	76.4	80.4	83.9	84.3	86.0	87.0	88.9	93.2
GE 800	58.0	59.6	63.6	65.5	70.7	71.8	74.2	76.4	76.8	80.8	84.4	84.8	86.6	87.5	89.4	93.7
GE 700	58.5	60.1	64.2	66.2	71.4	72.5	75.2	77.3	77.7	81.7	85.4	85.8	87.5	88.5	90.3	94.6
GE 600	58.8	60.4	64.4	66.4	71.7	72.8	75.4	78.0	78.4	82.4	86.0	86.4	88.2	89.1	91.1	95.4
GE 500	58.8	60.4	64.4	66.4	71.7	72.8	75.4	78.0	78.4	82.4	86.0	86.4	88.6	89.5	91.5	96.0
GE 400	59.1	60.7	64.8	67.0	72.3	73.4	76.1	78.7	79.1	83.1	86.7	87.1	89.3	90.2	92.2	96.6
GE 300	59.1	60.7	64.8	67.0	72.3	73.4	76.1	78.7	79.1	83.1	87.1	87.5	89.8	90.7	93.3	98.0
GE 200	59.1	60.7	64.8	67.0	72.3	73.4	76.1	78.7	79.1	83.1	87.2	87.7	89.9	90.9	93.7	98.7
GE 100	59.1	60.7	64.8	67.1	72.5	73.6	76.2	78.8	79.2	83.2	87.5	87.9	90.2	91.1	94.0	99.6
GE 000	59.1	60.7	64.8	67.1	72.5	73.6	76.2	78.8	79.2	83.2	87.5	87.9	90.2	91.1	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 745

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	45.0	46.6	47.8	49.9	50.3	51.5	52.5	52.8	54.4	56.0	56.2	57.8	58.1	59.3	60.1
GE 20000	46.2	47.2	48.9	50.2	52.4	52.9	54.3	55.4	55.8	57.4	59.2	59.4	61.0	61.3	62.6	63.6
GE 18000	46.5	47.5	49.2	50.5	52.8	53.3	54.7	55.8	56.2	57.8	59.6	59.8	61.4	61.7	63.0	64.0
GE 16000	46.5	47.5	49.2	50.5	52.8	53.3	54.7	55.8	56.2	57.8	59.6	59.8	61.4	61.7	63.0	64.0
GE 14000	46.7	47.8	49.5	50.8	53.1	53.6	55.0	56.1	56.5	58.1	59.9	60.1	61.7	62.0	63.3	64.3
GE 12000	47.6	48.6	50.3	51.7	54.0	54.6	56.0	57.2	57.6	59.2	61.0	61.2	62.8	63.1	64.4	65.4
GE 10000	50.2	51.3	53.1	54.5	57.0	57.6	59.0	60.5	61.0	62.7	64.6	64.8	66.5	66.8	68.2	69.3
GE 9000	51.3	52.3	54.2	55.6	58.2	58.9	60.4	62.0	62.4	64.1	66.1	66.3	68.0	68.4	69.7	70.9
GE 8000	52.5	53.6	55.6	57.0	59.8	60.5	62.1	63.9	64.4	66.1	68.1	68.3	70.0	70.3	71.7	73.0
GE 7000	54.1	55.3	57.4	58.9	61.9	62.6	64.3	66.1	66.6	68.3	70.3	70.5	72.3	72.7	74.1	75.5
GE 6000	54.4	55.7	57.8	59.4	62.4	63.2	64.9	66.7	67.2	68.9	70.9	71.1	72.9	73.3	74.7	76.1
GE 5000	55.0	56.3	58.5	60.1	63.0	63.9	65.7	67.5	68.0	69.7	71.7	72.0	73.8	74.3	75.7	77.1
GE 4500	55.0	56.4	58.6	60.2	63.2	64.0	65.8	67.6	68.1	69.9	71.9	72.1	73.9	74.4	75.8	77.3
GE 4000	55.4	56.8	59.1	60.8	63.9	64.8	66.5	68.4	68.9	70.7	72.7	72.9	74.8	75.3	76.7	78.3
GE 3500	55.8	57.2	59.5	61.2	64.5	65.4	67.3	69.1	69.6	71.4	73.6	73.8	75.7	76.2	77.7	79.3
GE 3000	56.1	57.5	60.0	61.7	65.1	66.0	68.0	69.9	70.4	72.4	74.6	74.8	76.8	77.3	78.8	80.6
GE 2500	56.7	58.3	60.9	62.8	66.2	67.2	69.3	71.2	71.7	73.7	75.9	76.1	78.1	78.6	80.2	81.9
GE 2000	57.7	59.3	62.0	64.0	67.6	68.6	70.7	72.7	73.3	75.4	77.6	77.8	79.8	80.3	82.0	83.9
GE 1800	57.9	59.5	62.2	64.2	67.8	68.8	71.0	73.0	73.6	75.7	78.0	78.2	80.2	80.7	82.3	84.2
GE 1500	59.2	60.6	63.7	65.6	69.4	70.5	72.7	74.9	75.5	78.6	81.0	81.2	83.4	83.9	85.6	87.7
GE 1200	60.6	62.4	65.8	68.0	71.8	73.0	75.5	77.8	78.4	81.7	84.2	84.4	86.7	87.2	89.1	91.4
GE 1000	61.6	63.4	67.0	69.2	73.1	74.4	77.0	79.5	80.2	83.5	86.2	86.4	88.8	89.3	91.3	93.6
GE 900	61.9	63.8	67.4	69.6	73.6	74.9	77.5	80.0	80.7	84.0	86.7	86.9	89.3	89.8	91.9	94.2
GE 800	62.4	64.2	67.9	70.1	74.2	75.5	78.1	80.5	81.2	84.5	87.2	87.5	89.9	90.4	92.4	94.7
GE 700	62.6	64.6	68.3	70.6	74.7	76.0	78.6	81.1	81.8	85.1	87.8	88.1	90.5	91.0	93.0	95.4
GE 600	62.8	64.8	68.6	70.9	75.1	76.4	79.1	81.8	82.5	85.3	88.5	88.8	91.3	91.8	94.1	96.5
GE 500	62.9	64.9	68.6	70.9	75.2	76.5	79.3	81.9	82.7	86.0	88.8	89.0	91.7	92.2	94.6	97.3
GE 400	63.1	65.1	68.9	71.3	75.7	77.1	79.9	82.6	83.3	86.7	89.5	89.7	92.5	93.0	95.3	98.0
GE 300	63.2	65.2	69.0	71.4	76.0	77.3	80.1	82.9	83.6	87.0	89.9	90.1	93.0	93.5	96.2	99.0
GE 200	63.3	65.3	69.1	71.5	76.1	77.4	80.2	83.0	83.7	87.1	90.0	90.2	93.2	93.7	96.4	99.4
GE 100	63.3	65.3	69.1	71.5	76.1	77.5	80.3	83.0	83.7	87.2	90.1	90.3	93.2	93.8	96.5	99.7
GE 000	63.3	65.3	69.1	71.5	76.1	77.5	80.3	83.0	83.7	87.2	90.1	90.3	93.2	93.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6774

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.8	57.2	58.3	59.5	61.3	61.7	62.4	64.1	64.6	65.8	66.2	66.2	67.3	67.8	68.6	69.1
GE 20000	59.4	59.9	61.3	62.7	64.7	65.2	66.2	67.8	68.3	69.7	70.5	70.5	71.6	72.1	73.2	74.0
GE 18000	59.9	60.4	61.8	63.2	65.2	65.7	66.7	68.3	68.8	70.2	71.0	71.0	72.1	72.6	73.7	74.5
GE 16000	59.9	60.4	61.8	63.2	65.2	65.7	66.7	68.3	68.8	70.2	71.0	71.0	72.1	72.6	73.7	74.5
GE 14000	59.9	60.4	61.8	63.2	65.2	65.7	66.7	68.5	69.0	70.4	71.1	71.1	72.2	72.7	73.9	74.6
GE 12000	60.8	61.3	63.3	64.7	67.0	67.5	68.5	70.5	71.0	72.4	73.1	73.1	74.2	74.7	76.3	77.0
GE 10000	63.1	63.6	65.7	67.8	70.1	70.6	71.6	73.6	74.1	75.5	76.3	76.3	77.4	77.9	79.4	80.2
GE 9000	63.6	64.1	66.2	68.3	70.7	71.2	72.2	74.2	74.7	76.1	76.9	76.9	78.0	78.5	80.0	80.8
GE 8000	64.4	64.9	67.2	69.3	71.7	72.4	73.4	75.4	75.9	77.3	78.0	78.0	79.1	79.6	81.2	81.9
GE 7000	65.5	66.0	68.2	70.5	73.5	74.1	75.1	77.1	77.6	79.0	79.9	79.9	81.3	81.8	83.3	84.0
GE 6000	66.6	67.1	69.3	71.6	74.6	75.3	76.3	78.3	78.8	80.2	81.0	81.0	82.4	82.9	84.4	85.2
GE 5000	67.0	67.6	70.0	72.2	75.3	75.9	76.9	78.9	79.4	80.8	81.7	81.7	83.0	83.5	85.1	85.8
GE 4500	67.1	67.7	70.1	72.4	75.4	76.0	77.0	79.0	79.5	80.9	81.8	81.8	83.2	83.7	85.2	85.9
GE 4000	67.6	68.2	70.7	73.0	76.0	76.6	77.6	79.6	80.2	81.5	82.4	82.4	83.8	84.3	85.8	86.8
GE 3500	68.6	69.2	71.7	74.1	77.9	78.5	79.5	81.5	82.0	83.4	84.3	84.4	85.8	86.3	87.8	88.8
GE 3000	69.2	69.8	72.4	74.7	78.5	79.1	80.2	82.2	82.7	84.0	85.2	85.3	86.7	87.2	88.7	89.7
GE 2500	69.2	69.8	72.4	74.7	78.5	79.4	80.4	82.4	83.0	84.7	85.8	85.9	87.3	87.8	89.3	90.3
GE 2000	69.5	70.1	72.7	75.1	78.9	80.0	81.7	83.7	84.3	86.6	87.7	87.8	89.2	89.7	91.2	92.2
GE 1800	69.5	70.1	72.7	75.1	78.9	80.0	81.7	83.7	84.3	86.6	87.7	87.8	89.2	89.7	91.2	92.2
GE 1500	69.5	70.1	72.7	75.1	78.9	80.0	81.7	84.0	84.8	87.1	88.2	88.4	89.8	90.3	91.8	92.8
GE 1200	70.4	71.2	74.1	76.5	80.4	81.7	83.5	85.9	87.2	89.6	90.7	91.0	92.3	92.8	94.3	95.4
GE 1000	70.4	71.2	74.1	76.5	80.7	81.9	83.8	86.2	87.4	89.9	91.1	91.3	92.8	93.3	95.0	96.2
GE 900	70.4	71.2	74.1	76.5	80.7	81.9	83.8	86.2	87.4	89.9	91.1	91.3	92.8	93.3	95.0	96.2
GE 800	70.5	71.4	74.4	76.8	80.9	82.2	84.0	86.6	87.8	90.3	91.5	91.7	93.2	93.7	95.4	96.6
GE 700	70.5	71.4	74.4	76.8	81.0	82.3	84.2	86.7	87.9	90.5	91.6	91.8	93.3	93.8	95.5	96.7
GE 600	70.5	71.4	74.4	76.8	81.0	82.3	84.2	86.7	87.9	90.5	91.6	91.8	93.3	93.8	95.5	96.7
GE 500	70.5	71.4	74.4	76.8	81.0	82.3	84.2	86.7	87.9	90.5	91.6	91.8	93.3	93.8	95.5	96.7
GE 400	71.0	71.9	74.9	77.3	81.5	82.8	84.7	87.2	88.4	91.0	92.1	92.3	93.8	94.3	96.0	97.2
GE 300	71.0	71.9	74.9	77.3	81.5	82.8	84.7	87.2	88.4	91.0	92.2	92.5	94.1	94.6	96.4	97.6
GE 200	71.0	71.9	74.9	77.3	81.5	82.8	84.7	87.4	88.7	91.2	92.5	92.7	94.3	94.8	96.6	99.1
GE 100	71.0	71.9	74.9	77.3	81.5	82.8	84.7	87.4	88.7	91.2	92.5	92.7	94.3	94.8	96.6	99.7
GE 000	71.0	71.9	74.9	77.3	81.5	82.8	84.7	87.4	88.7	91.2	92.5	92.7	94.3	94.8	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 796

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.6	53.2	54.3	55.6	58.4	58.9	59.5	61.0	61.2	62.4	63.3	63.3	65.1	65.1	65.8	66.2
GE 20000	54.1	55.8	57.0	58.4	61.4	61.9	62.5	64.0	64.4	65.6	66.9	66.9	68.7	68.7	69.7	70.0
GE 18000	54.4	56.1	57.3	58.8	61.8	62.2	62.8	64.4	64.7	65.9	67.3	67.3	69.1	69.1	70.0	70.7
GE 16000	54.6	56.2	57.4	58.9	61.9	62.4	62.9	64.5	64.9	66.1	67.4	67.4	69.2	69.2	70.1	70.9
GE 14000	54.7	56.4	57.6	59.0	62.0	62.5	63.1	64.6	65.0	66.2	67.5	67.5	69.3	69.3	70.3	71.0
GE 12000	55.4	57.2	58.5	60.2	63.2	63.9	64.5	66.2	66.5	67.7	69.1	69.1	70.9	70.9	71.8	72.5
GE 10000	58.5	60.3	62.1	64.0	67.1	67.9	68.6	70.4	70.7	71.9	73.3	73.3	75.2	75.2	76.1	76.9
GE 9000	59.4	61.2	62.9	64.9	68.0	68.7	69.4	71.2	71.6	72.8	74.1	74.1	76.0	76.0	77.0	77.7
GE 8000	60.3	62.5	64.4	66.3	69.4	70.1	70.9	73.0	73.4	74.6	75.9	75.9	77.8	77.8	78.8	79.5
GE 7000	61.6	63.8	65.7	67.6	70.9	71.6	72.3	74.5	74.8	76.0	77.5	77.5	79.6	79.6	80.6	81.3
GE 6000	62.4	64.5	66.4	68.7	71.9	72.7	73.4	75.5	75.9	77.1	78.5	78.7	80.8	80.8	81.8	82.5
GE 5000	63.2	65.3	67.4	69.8	73.0	73.7	74.5	76.6	77.0	78.2	79.6	79.7	81.9	81.9	83.0	83.7
GE 4500	63.5	65.7	67.7	70.1	73.4	74.1	74.8	77.0	77.3	78.5	80.0	80.1	82.4	82.4	83.5	84.2
GE 4000	63.7	65.8	67.9	70.3	73.5	74.2	74.9	77.1	77.5	78.7	80.2	80.3	82.6	82.6	83.8	84.8
GE 3500	64.7	67.0	69.1	71.7	75.2	75.9	76.6	78.8	79.1	80.3	81.9	82.0	84.4	84.4	85.6	86.6
GE 3000	65.3	67.6	69.7	72.3	76.1	76.9	77.6	79.7	80.1	81.3	82.9	83.0	85.7	85.7	86.9	87.9
GE 2500	65.5	67.7	69.8	72.4	76.5	77.2	78.1	80.2	80.6	81.8	83.3	83.5	86.2	86.2	87.4	88.4
GE 2000	65.6	67.9	69.9	72.7	76.7	77.6	79.0	81.4	81.8	83.3	84.9	85.0	87.8	87.8	89.0	89.9
GE 1800	65.6	67.9	69.9	72.7	76.7	77.6	79.0	81.4	81.8	83.3	84.9	85.0	87.8	87.8	89.0	89.9
GE 1500	66.1	68.3	70.4	73.3	77.3	78.3	80.1	82.6	83.0	84.5	86.1	86.2	89.0	89.0	90.4	91.5
GE 1200	67.1	69.7	71.7	74.8	78.9	79.9	81.7	84.2	84.9	86.5	88.1	88.2	91.0	91.0	92.6	93.6
GE 1000	67.1	69.7	71.7	74.9	79.1	80.1	81.9	84.4	85.1	86.8	88.6	88.7	91.5	91.5	93.3	94.4
GE 900	67.1	69.7	71.7	75.1	79.4	80.3	82.1	84.7	85.4	87.1	88.9	89.0	91.7	91.7	93.5	94.6
GE 800	67.7	70.3	72.3	75.8	80.1	81.1	82.9	85.4	86.1	87.8	89.6	89.7	92.4	92.4	94.2	95.3
GE 700	67.7	70.3	72.3	75.9	80.6	81.5	83.3	85.9	86.6	88.4	90.2	90.3	93.0	93.0	94.8	95.9
GE 600	67.7	70.3	72.3	75.9	80.6	81.5	83.3	85.9	86.6	88.4	90.2	90.3	93.0	93.0	94.8	95.9
GE 500	67.7	70.3	72.7	76.3	80.9	81.9	83.7	86.2	86.9	88.7	90.5	90.6	93.4	93.4	95.2	96.4
GE 400	68.0	70.5	72.9	76.5	81.2	82.1	83.9	86.5	87.2	89.0	90.8	90.9	93.6	93.6	95.4	96.9
GE 300	68.0	70.5	72.9	76.5	81.2	82.1	83.9	86.6	87.3	89.1	91.1	91.2	94.2	94.2	96.4	97.8
GE 200	68.0	70.5	72.9	76.5	81.2	82.1	83.9	86.7	87.4	89.2	91.4	91.5	94.5	94.5	96.8	98.9
GE 100	68.0	70.5	72.9	76.5	81.2	82.1	83.9	86.7	87.4	89.2	91.4	91.5	94.5	94.5	96.8	99.5
GE 000	68.0	70.5	72.9	76.5	81.2	82.1	83.9	86.7	87.4	89.2	91.4	91.5	94.5	94.5	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 834



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8
NO CEIL	49.9	52.5	54.8	56.1	57.1	57.2	57.7	58.8	58.9	59.5	60.5	60.5	61.8	61.8	62.2	62.2
GE 20000	52.2	54.8	57.1	58.4	60.0	60.1	60.9	62.1	62.2	63.1	64.2	64.2	66.1	66.1	66.7	67.2
GE 18000	52.6	55.2	57.5	58.8	60.4	60.6	61.4	62.6	62.7	63.5	64.6	64.6	66.6	66.6	67.2	68.0
GE 16000	52.6	55.2	57.5	58.8	60.4	60.6	61.4	62.6	62.7	63.5	64.6	64.6	66.6	66.6	67.2	68.0
GE 14000	53.2	55.8	58.1	59.4	61.0	61.2	62.0	63.2	63.3	64.2	65.2	65.2	67.2	67.2	67.8	69.0
GE 12000	54.8	57.6	59.9	61.2	62.8	63.1	63.8	65.1	65.2	66.1	67.2	67.2	69.1	69.1	69.7	71.0
GE 10000	58.8	61.8	64.6	66.2	67.8	68.0	69.0	70.6	70.8	71.8	72.9	72.9	75.0	75.1	76.1	77.0
GE 9000	59.5	62.6	65.4	67.0	68.5	68.8	69.7	71.3	71.6	72.5	73.6	73.6	75.7	75.8	76.8	78.0
GE 8000	60.3	63.4	66.2	67.8	69.5	69.7	70.7	72.4	72.7	73.6	74.7	74.7	76.8	76.9	77.9	79.0
GE 7000	61.1	64.3	67.2	68.8	70.5	70.7	71.7	73.5	73.8	74.7	76.2	76.2	78.3	78.4	79.3	81.0
GE 6000	61.5	64.8	67.7	69.3	71.0	71.2	72.2	74.0	74.2	75.2	76.7	76.7	78.7	78.9	79.8	81.0
GE 5000	62.8	66.1	69.0	70.6	72.7	73.0	74.0	75.8	76.1	77.2	78.6	78.6	80.7	80.8	81.8	83.0
GE 4500	63.1	66.3	69.3	70.8	72.9	73.3	74.2	76.1	76.3	77.4	78.9	78.9	80.9	81.0	82.0	83.0
GE 4000	63.3	66.6	69.5	71.1	73.3	73.6	74.6	76.4	76.7	77.8	79.2	79.2	81.3	81.4	82.6	84.0
GE 3500	64.3	67.6	70.5	72.1	74.2	74.6	75.6	77.4	77.6	78.7	80.2	80.2	82.4	82.5	83.8	85.0
GE 3000	65.1	68.4	71.3	72.9	75.5	75.8	76.8	78.6	78.9	80.0	81.5	81.5	84.0	84.1	85.4	87.0
GE 2500	65.9	69.1	72.2	73.9	76.8	77.2	78.1	80.0	80.2	81.3	82.9	82.9	85.3	85.4	86.8	88.0
GE 2000	66.2	69.5	72.8	74.5	77.8	78.1	79.5	81.3	81.5	83.1	84.7	84.7	87.1	87.2	88.6	90.0
GE 1800	66.2	69.6	72.9	74.7	78.0	78.4	79.7	81.5	81.8	83.4	84.9	84.9	87.4	87.5	88.8	90.0
GE 1500	67.1	70.5	73.9	75.8	79.3	79.7	81.2	83.0	83.2	84.8	86.4	86.4	88.8	88.9	90.6	93.0
GE 1200	67.4	71.0	74.4	76.3	79.8	80.2	81.7	83.6	84.1	85.9	88.0	88.0	90.4	90.5	92.2	94.0
GE 1000	67.6	71.1	74.5	76.5	80.1	80.4	81.9	83.8	84.3	86.1	88.3	88.3	91.0	91.1	92.8	95.0
GE 900	67.6	71.1	74.5	76.5	80.1	80.4	81.9	83.8	84.3	86.1	88.3	88.3	91.0	91.1	92.8	95.0
GE 800	68.3	71.8	75.2	77.3	80.8	81.3	82.7	84.7	85.2	87.0	89.2	89.2	91.9	92.0	93.7	96.0
GE 700	68.3	71.8	75.3	77.4	81.4	81.9	83.4	85.3	85.8	87.6	89.9	89.9	92.6	92.7	94.4	96.0
GE 600	68.3	71.8	75.3	77.4	81.4	81.9	83.5	85.4	85.9	87.7	90.0	90.0	92.7	92.8	94.5	97.0
GE 500	68.3	72.1	75.7	77.8	81.8	82.3	83.8	85.8	86.3	88.1	90.4	90.4	93.1	93.2	94.9	97.0
GE 400	68.3	72.1	75.7	77.8	81.8	82.3	83.8	85.8	86.3	88.1	90.4	90.4	93.2	93.3	95.1	97.0
GE 300	68.3	72.1	75.7	77.8	81.8	82.3	83.8	85.8	86.3	88.1	90.4	90.4	93.4	93.6	95.5	98.0
GE 200	68.3	72.1	75.7	77.8	81.8	82.3	83.8	86.1	86.6	88.5	90.8	90.8	93.8	93.9	96.0	99.0
GE 100	68.3	72.1	75.7	77.8	81.8	82.3	83.8	86.1	86.6	88.5	90.8	90.8	93.8	93.9	96.1	99.0
GE 000	68.3	72.1	75.7	77.8	81.8	82.3	83.8	86.1	86.6	88.5	90.8	90.8	93.8	93.9	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 823

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	49.9	51.7	53.4	54.5	54.6	55.7	56.5	56.9	57.9	58.8	58.8	59.3	59.4	60.1	60.7
GE 20000	50.5	52.2	54.0	55.7	56.9	57.0	58.1	59.4	59.8	61.2	62.4	62.4	63.3	63.6	64.5	65.1
GE 18000	51.3	53.0	54.8	56.6	57.9	58.0	59.1	60.5	60.9	62.3	63.5	63.5	64.4	64.7	65.7	66.3
GE 16000	51.6	53.3	55.1	56.9	58.1	58.2	59.3	60.7	61.1	62.6	63.8	63.8	64.6	65.0	65.9	66.5
GE 14000	51.9	53.6	55.6	57.5	58.7	58.8	59.9	61.4	61.7	63.2	64.4	64.4	65.2	65.6	66.5	67.1
GE 12000	53.6	55.3	57.2	59.2	60.4	60.5	61.6	63.2	63.5	65.0	66.3	66.3	67.1	67.5	68.5	69.1
GE 10000	57.2	59.2	61.7	63.6	65.1	65.2	66.5	68.2	68.7	70.7	72.0	72.0	72.9	73.3	74.3	75.1
GE 9000	58.3	60.3	62.8	64.7	66.2	66.3	67.6	69.3	69.8	71.7	73.1	73.1	74.0	74.4	75.4	76.2
GE 8000	59.3	61.2	64.0	66.1	67.6	67.9	69.2	71.0	71.6	73.6	74.9	74.9	75.8	76.2	77.2	78.0
GE 7000	60.1	62.1	65.0	67.0	68.6	68.8	70.2	72.0	72.6	74.6	76.0	76.0	76.9	77.3	78.3	79.1
GE 6000	61.0	62.9	65.8	67.9	69.4	69.7	71.0	72.8	73.4	75.5	76.8	76.8	77.8	78.1	79.1	80.0
GE 5000	61.4	63.4	66.4	68.6	70.5	70.8	72.1	74.2	74.8	77.1	78.4	78.4	79.3	79.7	80.7	81.5
GE 4500	61.8	64.0	67.0	69.2	71.1	71.5	72.8	74.9	75.5	77.8	79.1	79.1	80.1	80.4	81.4	82.2
GE 4000	62.9	65.1	68.1	70.3	72.3	72.7	74.0	76.1	76.7	79.0	80.3	80.3	81.3	81.6	82.6	83.5
GE 3500	63.8	66.1	69.1	71.3	73.4	73.8	75.1	77.2	77.8	80.1	81.4	81.4	82.6	83.1	84.1	85.3
GE 3000	64.3	66.5	69.6	72.0	74.4	74.8	76.1	78.3	78.9	81.2	82.5	82.5	83.7	84.2	85.1	86.4
GE 2500	65.0	67.4	70.5	72.9	75.5	76.1	77.4	79.6	80.2	82.5	83.8	83.8	85.1	85.6	86.6	87.8
GE 2000	65.2	67.6	71.0	73.9	76.6	77.3	78.7	80.9	81.5	84.4	85.9	85.9	87.2	87.7	88.9	90.1
GE 1800	65.2	67.6	71.0	73.9	76.6	77.3	78.7	80.9	81.5	84.4	85.9	85.9	87.2	87.7	88.9	90.1
GE 1500	65.7	68.2	71.7	74.6	77.4	78.1	79.6	81.9	82.5	85.7	87.3	87.3	88.8	89.6	90.8	92.1
GE 1200	65.9	68.5	72.0	74.9	78.0	78.7	80.4	83.2	83.8	87.3	89.1	89.1	90.6	91.4	92.8	94.1
GE 1000	66.1	68.6	72.3	75.2	78.5	79.2	81.0	83.8	84.4	87.9	90.0	90.0	91.9	92.9	94.3	95.8
GE 900	66.2	68.7	72.5	75.4	78.6	79.3	81.2	83.9	84.5	88.0	90.1	90.1	92.0	93.0	94.4	95.9
GE 800	66.4	69.0	72.7	75.6	78.9	79.6	81.4	84.2	84.8	88.3	90.3	90.3	92.3	93.2	94.7	96.1
GE 700	66.7	69.2	72.9	76.1	79.3	80.1	82.0	85.0	85.6	89.1	91.2	91.2	93.1	94.1	95.7	97.1
GE 600	66.7	69.2	72.9	76.1	79.6	80.3	82.2	85.3	85.9	89.4	91.4	91.4	93.4	94.3	95.9	97.3
GE 500	66.7	69.2	72.9	76.1	79.6	80.3	82.2	85.3	85.9	89.4	91.4	91.4	93.4	94.3	95.9	97.3
GE 400	66.9	69.4	73.2	76.3	79.8	80.6	82.5	85.5	86.1	89.6	91.7	91.7	93.6	94.6	96.1	97.7
GE 300	66.9	69.4	73.2	76.3	79.8	80.6	82.5	85.7	86.4	89.9	91.9	91.9	93.8	94.8	96.4	97.9
GE 200	66.9	69.4	73.2	76.3	80.0	80.7	82.6	85.9	86.5	90.0	92.0	92.0	94.0	94.9	96.5	98.7
GE 100	66.9	69.4	73.2	76.3	80.0	80.7	82.6	85.9	86.5	90.0	92.0	92.0	94.0	94.9	96.6	99.5
GE 000	66.9	69.4	73.2	76.3	80.0	80.7	82.6	85.9	86.5	90.0	92.0	92.0	94.0	94.9	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 828

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.3	50.7	52.3	53.5	55.1	55.3	56.4	57.8	58.8	59.4	59.9	60.1	60.8	61.0	61.8	62.2
GE 20000	52.5	53.9	55.6	56.9	59.0	59.2	60.3	61.7	62.7	63.6	64.4	64.6	65.5	65.6	66.6	67.6
GE 18000	53.0	54.5	56.5	57.9	60.0	60.2	61.3	62.9	63.9	64.9	65.6	65.9	66.7	66.8	67.8	68.9
GE 16000	53.2	54.7	56.8	58.1	60.2	60.5	61.6	63.2	64.1	65.1	65.9	66.1	67.0	67.1	68.1	69.2
GE 14000	53.9	55.3	57.6	59.1	61.2	61.4	62.5	64.1	65.1	66.1	66.8	67.1	67.9	68.1	69.0	70.1
GE 12000	55.8	57.3	59.6	61.1	63.3	63.5	64.6	66.3	67.3	68.3	69.3	69.5	70.4	70.5	71.5	72.8
GE 10000	59.0	60.5	63.4	64.9	67.2	67.4	68.5	70.4	71.4	72.3	73.4	73.7	74.5	74.7	75.6	77.2
GE 9000	59.9	61.3	64.3	65.7	68.2	68.4	69.5	71.4	72.3	73.3	74.4	74.7	75.5	75.6	76.6	78.2
GE 8000	62.9	64.5	67.6	69.0	71.5	71.7	72.8	74.7	75.6	76.9	78.0	78.2	79.1	79.2	80.2	81.9
GE 7000	64.1	65.7	69.2	70.6	73.1	73.3	74.4	76.3	77.2	78.5	79.6	79.8	80.7	80.8	81.8	83.6
GE 6000	64.6	66.3	69.8	71.2	73.7	73.9	75.0	76.9	77.8	79.1	80.2	80.4	81.3	81.4	82.4	84.2
GE 5000	65.0	67.0	70.5	72.0	74.4	74.7	75.9	77.7	78.7	79.9	81.0	81.3	82.1	82.3	83.2	85.1
GE 4500	65.6	67.6	71.1	72.6	75.0	75.3	76.5	78.3	79.3	80.5	81.6	81.9	82.7	82.9	83.8	85.7
GE 4000	66.1	68.2	72.0	73.4	75.9	76.1	77.4	79.2	80.2	81.4	82.5	82.7	83.6	83.7	84.9	86.8
GE 3500	66.7	68.8	72.8	74.3	76.7	77.0	78.2	80.0	81.0	82.4	83.5	83.7	84.6	84.7	86.0	88.1
GE 3000	67.0	69.0	73.3	74.8	77.5	77.7	78.9	80.8	81.8	83.2	84.3	84.6	85.4	85.6	87.0	89.1
GE 2500	67.6	69.6	73.9	75.4	78.1	78.3	79.8	81.6	82.7	84.3	85.4	85.7	86.5	86.7	88.1	90.2
GE 2000	67.9	70.0	74.3	75.8	78.6	78.9	80.5	82.7	83.8	85.9	87.1	87.4	88.5	88.6	90.1	92.2
GE 1800	68.1	70.1	74.4	75.9	78.7	79.1	80.7	82.9	84.0	86.0	87.3	87.5	88.6	88.7	90.2	92.3
GE 1500	68.3	70.4	74.8	76.3	79.2	79.6	81.2	83.4	84.5	86.9	88.2	88.5	89.8	90.0	91.6	94.1
GE 1200	68.4	70.6	75.2	76.7	79.7	80.0	81.6	83.8	84.9	87.5	89.0	89.5	90.9	91.1	92.7	95.2
GE 1000	68.5	70.7	75.4	77.0	80.0	80.4	82.4	84.6	85.7	88.2	89.7	90.2	91.9	92.0	93.6	96.2
GE 900	68.7	70.9	75.5	77.1	80.2	80.5	82.6	84.8	85.9	88.5	90.0	90.5	92.2	92.3	93.9	96.5
GE 800	68.8	71.0	75.8	77.4	80.4	80.8	82.9	85.1	86.2	88.7	90.2	90.7	92.4	92.5	94.1	96.9
GE 700	68.9	71.1	76.0	77.6	80.7	81.0	83.2	85.8	86.9	89.5	90.9	91.4	93.1	93.3	94.9	97.7
GE 600	68.9	71.1	76.0	77.6	80.7	81.0	83.2	85.8	86.9	89.5	90.9	91.4	93.1	93.3	94.9	97.8
GE 500	68.9	71.1	76.0	77.6	80.7	81.0	83.2	85.8	86.9	89.5	90.9	91.4	93.1	93.3	95.0	98.0
GE 400	69.3	71.5	76.4	78.0	81.0	81.4	83.6	86.2	87.3	89.8	91.3	91.8	93.5	93.8	95.6	98.8
GE 300	69.3	71.5	76.4	78.0	81.0	81.4	83.6	86.2	87.3	89.8	91.3	91.8	93.5	93.8	95.6	98.9
GE 200	69.3	71.5	76.4	78.0	81.0	81.4	83.6	86.2	87.3	89.8	91.3	91.8	93.5	93.8	95.6	99.3
GE 100	69.3	71.5	76.4	78.0	81.0	81.4	83.6	86.2	87.3	89.8	91.3	91.8	93.5	93.8	95.6	99.6
GE 000	69.3	71.5	76.4	78.0	81.0	81.4	83.6	86.2	87.3	89.8	91.3	91.8	93.5	93.8	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 817

D - 2 - 14

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.5	50.4	51.0	52.0	53.4	53.6	54.6	55.1	55.8	56.9	57.4	57.4	57.9	58.1	58.1	58.2
GE 20000	53.7	54.7	55.4	56.4	58.0	58.2	59.2	60.1	60.8	61.9	62.5	62.5	63.0	63.2	63.4	63.6
GE 18000	54.1	55.1	55.9	56.9	58.6	58.9	59.8	60.7	61.4	62.5	63.1	63.1	63.9	64.1	64.2	64.6
GE 16000	54.2	55.2	56.0	57.0	58.7	59.0	60.0	60.8	61.5	62.6	63.2	63.2	64.1	64.3	64.6	65.0
GE 14000	55.6	56.5	57.4	58.5	60.3	60.6	61.5	62.4	63.1	64.2	64.8	64.8	65.7	65.9	66.2	66.5
GE 12000	57.8	58.7	59.6	60.7	62.5	62.8	63.7	64.6	65.3	66.4	67.0	67.0	67.9	68.1	68.5	68.9
GE 10000	59.6	60.7	61.8	62.9	64.7	65.0	65.9	66.8	67.5	68.6	69.4	69.4	70.5	70.7	71.4	72.0
GE 9000	61.2	62.3	63.6	64.8	66.7	66.9	67.9	68.7	69.5	70.6	71.3	71.3	72.6	72.9	73.6	74.6
GE 8000	64.5	65.6	66.9	68.1	70.2	70.5	71.4	72.3	73.1	74.2	75.2	75.2	76.6	76.8	77.8	79.2
GE 7000	66.4	67.8	69.1	70.3	72.5	72.8	73.7	74.6	75.5	76.6	77.7	77.7	79.0	79.2	80.2	81.7
GE 6000	66.9	68.3	69.6	70.8	73.0	73.3	74.2	75.1	75.9	77.0	78.1	78.1	79.5	79.7	80.7	82.2
GE 5000	68.0	69.5	70.9	72.2	74.4	74.6	75.8	76.7	77.8	78.9	80.0	80.0	81.3	81.6	82.5	84.4
GE 4500	68.3	69.7	71.2	72.4	74.6	74.8	76.1	76.9	78.0	79.1	80.2	80.2	81.6	81.8	82.8	84.6
GE 4000	68.9	70.5	72.0	73.3	75.5	75.7	76.9	78.1	79.5	80.6	81.7	81.7	83.2	83.4	84.6	86.4
GE 3500	69.2	70.9	72.5	74.1	76.6	76.9	78.3	79.5	80.8	82.1	83.3	83.3	84.7	85.0	86.2	88.0
GE 3000	69.7	71.6	73.5	75.2	77.7	78.3	79.7	81.0	82.3	83.5	85.0	85.0	86.4	86.7	87.9	89.7
GE 2500	70.8	72.6	74.6	76.3	78.8	79.4	81.0	82.2	83.9	85.1	86.6	86.6	88.0	88.3	89.5	91.3
GE 2000	71.7	73.6	75.8	77.5	80.0	80.6	82.5	83.8	85.5	86.8	88.3	88.3	90.0	90.2	91.9	94.3
GE 1800	71.8	73.7	76.2	77.9	80.3	81.0	82.9	84.1	85.8	87.2	88.6	88.6	90.4	90.6	92.3	94.6
GE 1500	71.8	73.7	76.2	77.9	80.3	81.0	82.9	84.1	85.8	87.2	89.0	89.0	91.0	91.2	92.9	95.4
GE 1200	72.3	74.2	76.8	78.5	81.0	81.6	83.5	84.7	86.4	87.8	89.7	89.7	91.7	92.2	94.0	96.5
GE 1000	72.5	74.5	77.0	78.8	81.2	81.8	83.8	85.0	86.9	88.6	90.6	90.6	92.6	93.0	94.9	97.3
GE 900	72.5	74.5	77.0	78.8	81.2	81.8	83.8	85.0	86.9	88.6	90.6	90.6	92.6	93.0	94.9	97.3
GE 800	72.6	74.6	77.2	78.9	81.3	81.9	83.9	85.1	87.1	88.8	90.7	90.7	92.7	93.2	95.0	97.4
GE 700	72.6	74.6	77.2	78.9	81.3	82.1	84.1	85.5	87.4	89.1	91.1	91.1	93.0	93.5	95.4	97.8
GE 600	72.8	74.7	77.4	79.1	81.6	82.3	84.4	85.7	87.7	89.4	91.3	91.3	93.4	93.9	95.7	98.2
GE 500	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.5	94.0	95.8	98.3
GE 400	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.5	94.4	96.2	98.7
GE 300	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.7	94.5	96.3	98.8
GE 200	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.7	94.5	96.3	98.9
GE 100	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.7	94.5	96.3	99.4
GE 000	72.9	74.8	77.5	79.2	81.7	82.4	84.5	85.8	87.8	89.5	91.5	91.5	93.7	94.5	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 819

OPERATING LOCATION "A"  
USAFEAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	49.8	50.4	51.2	52.2	52.9	53.5	54.4	55.3	55.5	56.6	57.5	57.5	57.5	57.6	58.3
GE 20000	53.2	54.2	55.1	56.6	57.8	58.3	59.2	60.2	60.5	61.6	62.5	62.5	62.5	62.6	63.5
GE 18000	54.1	55.1	55.9	57.5	58.6	59.2	60.1	61.1	61.3	62.5	63.3	63.3	63.3	63.5	64.3
GE 16000	54.1	55.1	55.9	57.5	58.6	59.2	60.1	61.1	61.3	62.5	63.3	63.3	63.3	63.5	64.3
GE 14000	54.2	55.2	56.2	57.8	59.2	59.8	60.6	61.6	61.9	63.1	63.9	63.9	63.9	64.1	64.9
GE 12000	57.3	58.3	59.3	60.9	62.3	62.9	63.8	64.8	65.0	66.2	67.0	67.0	67.0	67.2	68.0
GE 10000	60.5	61.5	62.6	64.2	65.6	66.2	67.2	68.2	68.5	69.6	70.5	70.5	70.5	70.6	71.6
GE 9000	62.5	63.5	64.6	66.2	67.6	68.2	69.3	70.3	70.6	71.8	72.6	72.6	72.8	72.9	73.9
GE 8000	65.0	66.0	67.2	68.8	70.2	70.8	72.3	73.3	73.6	74.8	75.6	75.6	75.7	75.9	77.3
GE 7000	66.2	67.2	68.3	69.9	71.3	71.9	73.8	74.8	75.2	76.3	77.2	77.2	77.3	77.5	78.9
GE 6000	66.9	67.9	69.2	70.8	72.2	72.8	74.6	75.6	76.0	77.2	78.0	78.0	78.2	78.3	79.7
GE 5000	68.0	69.3	70.6	72.5	73.9	74.5	76.3	77.3	77.9	79.0	79.9	79.9	80.0	80.2	81.6
GE 4500	68.2	69.5	70.8	72.6	74.0	74.6	76.5	77.5	78.0	79.2	80.0	80.0	80.2	80.3	81.7
GE 4000	69.2	70.5	72.3	74.2	75.6	76.2	78.0	79.0	79.7	80.9	81.7	81.7	82.3	82.5	83.9
GE 3500	70.2	71.5	73.3	75.2	76.6	77.3	79.3	80.5	81.5	82.6	83.5	83.5	84.0	84.2	85.6
GE 3000	70.9	72.2	74.3	76.5	78.0	78.7	80.7	81.9	82.9	84.0	84.9	84.9	85.4	85.6	87.0
GE 2500	71.3	72.6	74.8	76.9	78.5	79.2	81.2	82.3	83.3	84.5	85.3	85.3	85.9	86.0	87.4
GE 2000	71.5	72.8	75.2	77.3	78.9	79.7	81.7	82.9	83.9	85.4	86.3	86.3	86.9	87.3	88.7
GE 1800	71.5	72.8	75.2	77.3	78.9	79.7	81.7	82.9	83.9	85.4	86.3	86.3	86.9	87.3	88.7
GE 1500	71.9	73.2	75.7	78.2	79.7	80.7	82.9	84.3	85.3	86.9	88.2	88.2	88.9	89.3	90.7
GE 1200	72.0	73.3	76.3	78.7	80.5	81.5	83.6	85.2	86.2	87.7	89.0	89.0	89.7	90.2	91.6
GE 1000	72.6	73.9	76.9	79.3	81.0	82.2	84.3	86.0	87.3	89.3	90.6	90.6	91.4	91.9	93.3
GE 900	72.6	73.9	76.9	79.3	81.0	82.2	84.3	86.0	87.3	89.3	90.6	90.6	91.4	91.9	93.3
GE 800	72.6	73.9	76.9	79.5	81.3	82.5	84.6	86.3	87.6	89.6	90.9	90.9	91.7	92.2	93.6
GE 700	72.9	74.2	77.2	79.9	81.7	82.9	85.0	86.7	88.0	90.0	91.3	91.3	92.2	92.6	94.0
GE 600	73.2	74.5	77.6	80.3	82.2	83.3	85.6	87.3	88.6	90.6	91.9	91.9	92.7	93.2	94.6
GE 500	73.2	74.5	77.6	80.3	82.2	83.3	85.6	87.3	88.6	90.7	92.0	92.0	92.9	93.3	94.7
GE 400	73.2	74.5	77.6	80.3	82.2	83.3	85.6	87.3	88.6	90.7	92.0	92.2	93.0	93.4	94.9
GE 300	73.2	74.5	77.6	80.3	82.5	83.6	85.9	87.7	89.0	91.2	92.4	92.6	93.4	93.9	95.3
GE 200	73.2	74.5	77.6	80.3	82.5	83.6	85.9	87.7	89.0	91.2	92.4	92.6	93.4	94.0	95.6
GE 100	73.2	74.5	77.6	80.3	82.5	83.6	85.9	87.7	89.0	91.2	92.4	92.6	93.4	94.0	95.9
GE 000	73.2	74.5	77.6	80.3	82.5	83.6	85.9	87.7	89.0	91.2	92.4	92.6	93.4	94.0	95.9

TOTAL NUMBER OF OBSERVATIONS 701

D - 2 - 16

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.5	56.4	58.1	59.1	60.4	60.4	61.3	62.0	62.5	63.9	64.3	64.3	64.9	64.9	65.5	66.8
GE 20000	58.0	58.8	60.7	62.0	64.2	64.3	65.2	65.9	66.4	67.8	68.6	68.6	69.3	69.3	69.9	71.3
GE 18000	58.4	59.4	61.3	62.6	64.9	65.1	65.9	66.8	67.2	68.7	69.4	69.4	70.1	70.1	70.7	72.2
GE 16000	58.4	59.4	61.3	62.6	64.9	65.1	65.9	66.8	67.2	68.7	69.4	69.4	70.1	70.1	70.7	72.3
GE 14000	58.6	59.6	61.6	62.9	65.4	65.5	66.4	67.7	68.1	69.6	70.3	70.3	71.0	71.0	71.6	73.2
GE 12000	59.9	60.9	63.0	64.5	67.2	67.4	68.3	69.9	70.3	71.7	72.5	72.5	73.2	73.2	73.8	75.4
GE 10000	62.9	64.1	66.4	68.0	70.7	70.9	71.7	73.3	73.8	75.2	75.9	75.9	76.7	76.7	77.2	78.8
GE 9000	63.9	65.1	67.4	69.0	71.7	71.9	72.9	74.5	74.9	76.4	77.1	77.1	77.8	77.8	78.4	80.0
GE 8000	64.6	65.8	68.6	70.3	73.0	73.3	74.3	75.9	76.4	77.8	78.6	78.6	79.3	79.4	80.1	81.7
GE 7000	65.5	66.7	69.7	71.6	74.8	75.1	76.1	77.7	78.1	79.6	80.3	80.3	81.0	81.2	81.9	83.6
GE 6000	65.9	67.1	70.4	72.3	75.5	75.8	76.8	78.4	78.8	80.3	81.0	81.0	81.7	81.9	82.6	84.3
GE 5000	66.8	68.0	71.3	73.2	76.4	76.7	77.7	79.3	79.7	81.2	81.9	81.9	82.6	82.8	83.5	85.5
GE 4500	67.0	68.1	71.4	73.3	76.5	76.8	77.8	79.6	80.0	81.4	82.2	82.2	82.9	83.0	83.8	85.8
GE 4000	67.7	68.8	72.6	75.4	78.6	78.8	79.9	81.6	82.3	83.8	84.8	84.8	85.7	85.8	86.5	88.6
GE 3500	68.7	69.9	73.8	76.5	79.7	80.0	81.0	82.8	83.5	84.9	86.1	86.1	87.0	87.1	87.8	89.9
GE 3000	69.3	70.7	74.6	77.4	80.6	80.9	81.9	83.6	84.3	85.8	87.0	87.0	87.8	88.0	88.7	90.7
GE 2500	69.3	70.7	74.6	77.4	80.6	80.9	82.0	83.8	84.6	86.1	87.2	87.2	88.1	88.3	89.0	91.0
GE 2000	69.3	71.0	75.1	77.8	81.0	81.3	82.6	84.3	85.5	87.0	88.1	88.1	89.0	89.1	89.9	91.9
GE 1800	69.3	71.0	75.1	77.8	81.0	81.3	82.6	84.3	85.5	87.0	88.1	88.1	89.0	89.1	89.9	91.9
GE 1500	69.6	71.3	75.4	78.1	81.3	81.6	83.0	85.2	86.4	87.8	89.4	89.4	90.3	90.4	91.2	93.2
GE 1200	69.9	71.7	75.8	78.6	81.7	82.0	83.8	85.9	87.4	88.8	90.4	90.4	91.3	91.4	92.2	94.2
GE 1000	70.0	71.9	75.9	78.7	82.0	82.3	84.1	86.2	87.7	89.3	90.9	90.9	92.0	92.3	93.2	95.2
GE 900	70.0	71.9	75.9	78.7	82.0	82.3	84.1	86.2	87.7	89.3	90.9	90.9	92.0	92.3	93.2	95.2
GE 800	70.1	72.0	76.2	79.0	82.6	82.9	84.6	86.8	88.3	89.9	91.4	91.4	92.6	92.9	93.8	95.8
GE 700	70.4	72.3	76.5	79.3	82.9	83.2	84.9	87.1	88.6	90.1	91.7	91.7	92.9	93.2	94.1	96.1
GE 600	70.9	72.8	77.0	79.7	83.3	83.6	85.7	87.8	89.3	90.9	92.6	92.6	93.8	94.1	94.9	97.0
GE 500	70.9	72.8	77.0	79.7	83.3	83.6	85.7	87.8	89.3	90.9	92.6	92.6	93.8	94.1	94.9	97.0
GE 400	71.0	72.9	77.1	79.9	83.5	83.8	85.8	88.0	89.4	91.0	92.9	92.9	94.1	94.3	95.2	97.2
GE 300	71.3	73.2	77.4	80.1	83.8	84.1	86.1	88.3	89.7	91.3	93.5	93.5	94.6	94.9	95.9	98.7
GE 200	71.4	73.3	77.5	80.3	83.9	84.2	86.2	88.4	89.9	91.4	93.6	93.6	94.8	95.5	96.5	99.4
GE 100	71.4	73.3	77.5	80.3	83.9	84.2	86.2	88.4	89.9	91.4	93.6	93.6	94.8	95.5	96.5	100.0
GE 000	71.4	73.3	77.5	80.3	83.9	84.2	86.2	88.4	89.9	91.4	93.6	93.6	94.8	95.5	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 690

D - 2 - 17

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	52.5	53.9	55.2	56.6	56.9	57.7	58.8	59.2	60.3	61.0	61.0	61.8	62.0	62.6	63.1
GE 20000	54.1	55.5	57.0	58.3	60.2	60.5	61.4	62.6	63.1	64.3	65.2	65.2	66.2	66.4	67.2	67.9
GE 18000	54.6	56.0	57.6	59.0	60.9	61.2	62.1	63.4	63.8	65.0	65.9	66.0	67.0	67.2	68.0	68.9
GE 16000	54.7	56.1	57.7	59.1	61.0	61.3	62.2	63.5	63.9	65.1	66.0	66.1	67.1	67.3	68.1	69.1
GE 14000	55.2	56.5	58.2	59.6	61.6	61.9	62.8	64.1	64.6	65.8	66.7	66.8	67.8	68.0	68.8	69.7
GE 12000	56.8	58.3	60.0	61.5	63.5	63.9	64.8	66.2	66.7	67.9	68.9	68.9	70.0	70.1	71.0	72.0
GE 10000	59.9	61.4	63.5	65.2	67.2	67.6	68.6	70.1	70.7	71.9	72.9	73.0	74.1	74.3	75.2	76.4
GE 9000	60.9	62.4	64.6	66.3	68.4	68.7	69.8	71.3	71.8	73.1	74.1	74.1	75.3	75.5	76.5	77.7
GE 8000	62.6	64.2	66.4	68.2	70.3	70.7	71.8	73.4	74.0	75.3	76.3	76.3	77.5	77.7	78.8	80.1
GE 7000	63.7	65.4	67.7	69.5	71.8	72.2	73.3	75.0	75.5	76.9	78.0	78.0	79.2	79.5	80.5	81.9
GE 6000	64.4	66.0	68.5	70.3	72.6	73.0	74.1	75.8	76.3	77.6	78.8	78.8	80.0	80.2	81.3	82.7
GE 5000	65.2	66.9	69.5	71.3	73.7	74.2	75.3	77.0	77.6	79.0	80.1	80.1	81.4	81.6	82.7	84.1
GE 4500	65.5	67.3	69.8	71.6	74.1	74.5	75.6	77.3	77.9	79.3	80.4	80.5	81.7	81.9	83.0	84.5
GE 4000	66.1	67.9	70.6	72.5	75.0	75.4	76.6	78.3	79.0	80.4	81.5	81.6	82.9	83.1	84.3	85.9
GE 3500	66.9	68.8	71.5	73.6	76.2	76.7	77.9	79.6	80.3	81.7	82.9	83.0	84.4	84.6	85.8	87.5
GE 3000	67.5	69.4	72.2	74.4	77.2	77.7	78.9	80.7	81.4	82.8	84.1	84.1	85.6	85.8	87.1	88.7
GE 2500	68.0	69.9	72.8	74.9	77.8	78.4	79.7	81.4	82.2	83.7	85.0	85.1	86.5	86.8	88.0	89.7
GE 2000	68.3	70.2	73.3	75.5	78.5	79.1	80.7	82.6	83.4	85.3	86.6	86.7	88.2	88.5	89.8	91.6
GE 1800	68.3	70.3	73.4	75.6	78.6	79.2	80.8	82.7	83.5	85.4	86.7	86.7	88.3	88.6	89.9	91.7
GE 1500	68.6	70.7	73.8	76.1	79.1	79.8	81.5	83.5	84.4	86.3	87.8	87.9	89.5	89.8	91.3	93.2
GE 1200	69.1	71.2	74.5	76.8	79.9	80.6	82.4	84.5	85.6	87.6	89.2	89.3	91.0	91.3	92.8	94.8
GE 1000	69.3	71.4	74.7	77.0	80.3	81.0	82.8	85.0	86.0	88.2	89.9	90.0	91.9	92.3	93.8	95.8
GE 900	69.3	71.4	74.7	77.1	80.3	81.1	82.9	85.0	86.1	88.3	90.0	90.1	92.0	92.3	93.9	95.9
GE 800	69.6	71.7	75.0	77.4	80.7	81.5	83.3	85.5	86.6	88.7	90.4	90.6	92.4	92.8	94.3	96.4
GE 700	69.7	71.8	75.2	77.6	81.1	81.8	83.7	86.0	87.0	89.3	91.0	91.1	92.9	93.3	94.9	96.9
GE 600	69.8	71.9	75.3	77.8	81.2	82.0	83.9	86.2	87.3	89.5	91.2	91.3	93.2	93.5	95.1	97.2
GE 500	69.8	71.9	75.4	77.9	81.3	82.1	84.1	86.3	87.4	89.6	91.3	91.4	93.3	93.7	95.3	97.3
GE 400	70.0	72.1	75.6	78.1	81.5	82.3	84.2	86.5	87.6	89.8	91.5	91.7	93.5	94.0	95.6	97.7
GE 300	70.0	72.2	75.6	78.1	81.6	82.3	84.3	86.6	87.7	89.9	91.7	91.9	93.8	94.3	96.0	98.3
GE 200	70.0	72.2	75.6	78.1	81.6	82.4	84.3	86.7	87.8	90.0	91.9	92.0	94.0	94.5	96.2	99.0
GE 100	70.0	72.2	75.6	78.1	81.6	82.4	84.3	86.7	87.8	90.0	91.9	92.0	94.0	94.5	96.3	99.7
GE 000	70.0	72.2	75.6	78.1	81.6	82.4	84.3	86.7	87.8	90.0	91.9	92.0	94.0	94.5	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6308

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.0	63.2	64.4	65.3	66.9	66.9	67.2	68.3	68.7	69.1	69.7	69.7	69.8	69.8	70.0	70.3
GE 20000	63.9	64.1	65.5	66.4	68.1	68.1	68.4	69.6	69.9	70.4	71.1	71.1	71.3	71.4	71.6	72.5
GE 18000	64.2	64.5	65.8	66.7	68.4	68.4	68.8	69.9	70.3	70.7	71.4	71.4	71.6	71.7	72.0	72.9
GE 16000	64.2	64.5	65.8	66.7	68.4	68.4	68.8	69.9	70.3	70.7	71.4	71.4	71.6	71.7	72.0	72.9
GE 14000	64.6	64.8	66.5	67.4	69.1	69.1	69.5	70.6	70.9	71.4	72.1	72.1	72.3	72.4	72.6	73.6
GE 12000	65.2	65.4	67.1	68.0	69.8	69.8	70.1	71.3	71.6	72.1	72.8	72.8	73.0	73.1	73.3	74.2
GE 10000	67.1	67.3	69.2	70.5	72.5	72.5	72.9	74.0	74.3	75.1	75.8	75.8	76.0	76.2	76.4	77.4
GE 9000	68.6	68.9	70.8	72.1	74.1	74.1	74.5	75.9	76.3	77.1	77.8	77.8	78.0	78.1	78.3	79.3
GE 8000	69.5	69.8	71.9	73.2	75.5	75.5	75.8	77.5	77.9	78.7	79.3	79.3	79.6	79.7	79.9	80.9
GE 7000	70.6	70.9	73.0	74.3	76.7	76.7	77.1	78.8	79.1	79.9	80.6	80.6	80.8	80.9	81.2	82.2
GE 6000	70.9	71.3	73.3	74.7	77.1	77.1	77.4	79.1	79.5	80.2	80.9	80.9	81.3	81.4	81.6	82.6
GE 5000	71.6	72.0	74.0	75.4	77.8	77.8	78.1	79.8	80.1	80.9	81.6	81.6	82.0	82.1	82.3	83.3
GE 4500	71.6	72.0	74.0	75.4	77.8	77.8	78.1	79.8	80.1	80.9	81.6	81.6	82.0	82.1	82.3	83.3
GE 4000	72.0	72.3	74.5	75.8	78.2	78.2	78.5	80.2	80.6	81.6	82.3	82.3	82.6	82.7	83.0	84.0
GE 3500	72.8	73.1	75.5	77.3	79.7	79.7	80.0	81.7	82.2	83.2	83.9	83.9	84.2	84.3	84.6	85.6
GE 3000	73.1	73.4	76.2	78.0	80.9	80.9	81.3	83.1	83.5	84.6	85.2	85.2	85.6	85.7	85.9	86.9
GE 2500	73.7	74.2	77.2	79.1	82.4	82.4	82.7	84.6	85.0	86.0	86.7	86.7	87.1	87.2	87.4	88.4
GE 2000	74.2	74.8	78.0	80.1	83.5	83.5	84.0	85.8	86.6	87.6	88.3	88.3	88.6	88.8	89.0	90.0
GE 1800	74.2	74.8	78.0	80.1	83.5	83.5	84.0	85.8	86.6	87.6	88.3	88.3	88.6	88.8	89.0	90.0
GE 1500	74.5	75.1	78.3	80.6	84.3	84.3	85.4	87.2	88.0	89.0	89.7	89.7	90.0	90.1	90.4	91.4
GE 1200	75.1	76.3	80.1	82.4	86.3	86.3	87.4	89.2	90.0	91.0	91.7	91.7	92.1	92.2	92.5	93.8
GE 1000	75.5	76.6	80.5	82.7	86.6	86.6	88.0	89.9	90.7	91.7	92.4	92.4	92.7	92.8	93.2	94.4
GE 900	75.6	76.7	80.7	83.0	87.1	87.2	88.4	90.4	91.1	92.4	93.1	93.1	93.4	93.5	93.9	95.1
GE 800	75.7	76.8	80.9	83.2	87.4	87.5	88.9	90.9	91.7	93.0	93.6	93.6	94.0	94.1	94.4	95.7
GE 700	76.0	77.2	81.3	83.5	87.7	87.9	89.3	91.4	92.2	93.4	94.1	94.1	94.4	94.6	94.9	96.1
GE 600	76.5	77.6	81.7	84.0	88.2	88.3	89.8	91.8	92.8	94.1	95.0	95.0	95.3	95.5	95.8	97.0
GE 500	76.7	77.9	82.0	84.2	88.4	88.5	90.0	92.1	93.1	94.3	95.2	95.2	95.6	95.7	96.0	97.3
GE 400	77.0	78.1	82.2	84.4	88.6	88.8	90.2	92.3	93.3	94.6	95.5	95.5	95.8	95.9	96.3	97.5
GE 300	77.2	78.3	82.4	84.7	89.0	89.1	90.7	92.7	93.8	95.0	95.9	95.9	96.4	96.5	96.9	98.2
GE 200	77.3	78.4	82.5	84.8	89.1	89.2	90.8	92.8	93.9	95.2	96.1	96.1	96.7	96.8	97.3	98.5
GE 100	77.3	78.4	82.5	84.8	89.1	89.2	90.8	92.8	93.9	95.2	96.1	96.1	96.7	96.9	97.6	99.5
GE 000	77.3	78.4	82.5	84.8	89.1	89.2	90.8	92.8	93.9	95.2	96.1	96.1	96.7	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 881



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.9	61.4	62.0	62.9	64.4	64.4	64.8	65.4	65.6	66.0	67.1	67.1	67.3	67.3	67.6	68.4
GE 20000	62.0	62.5	63.1	64.1	65.6	65.6	66.0	66.6	66.8	67.2	68.4	68.4	68.8	68.8	69.4	70.6
GE 18000	62.6	63.2	63.7	64.7	66.2	66.2	66.7	67.2	67.4	67.9	69.1	69.1	69.5	69.5	70.0	71.2
GE 16000	62.7	63.3	63.8	64.8	66.3	66.3	66.8	67.6	67.9	68.3	69.5	69.5	69.9	69.9	70.5	71.7
GE 14000	63.0	63.5	64.1	65.0	66.6	66.6	67.0	67.9	68.1	68.5	69.7	69.7	70.2	70.2	70.7	71.9
GE 12000	63.7	64.3	64.8	65.8	67.3	67.3	67.8	68.6	68.8	69.3	70.5	70.5	70.9	70.9	71.5	72.7
GE 10000	66.0	66.7	67.2	68.2	69.8	69.8	70.4	71.2	71.5	71.9	73.1	73.1	73.6	73.6	74.2	75.6
GE 9000	67.3	68.0	68.6	69.6	71.2	71.2	71.8	73.0	73.2	73.6	74.8	74.8	75.4	75.4	75.9	77.3
GE 8000	68.5	69.2	70.3	71.7	73.6	73.6	74.4	75.9	76.1	76.6	77.8	77.8	78.3	78.3	78.9	80.4
GE 7000	69.3	69.9	71.5	72.9	74.8	74.8	75.6	77.1	77.3	77.8	79.0	79.0	79.5	79.5	80.1	81.6
GE 6000	69.6	70.3	71.9	73.3	75.4	75.4	76.1	77.7	77.9	78.3	79.5	79.5	80.3	80.3	80.8	82.4
GE 5000	69.7	70.4	72.0	73.4	75.5	75.5	76.3	77.8	78.0	78.4	79.6	79.6	80.4	80.4	80.9	82.5
GE 4500	69.8	70.5	72.1	73.5	75.6	75.6	76.4	77.9	78.1	78.5	79.7	79.7	80.5	80.5	81.0	82.6
GE 4000	70.3	70.9	72.7	74.1	76.1	76.1	77.1	78.6	78.9	79.3	80.5	80.5	81.3	81.3	81.8	83.3
GE 3500	70.6	71.5	73.3	74.9	77.0	77.0	78.0	79.5	79.7	80.2	81.4	81.4	82.1	82.1	82.7	84.2
GE 3000	70.8	71.7	73.7	75.4	78.2	78.2	79.2	80.7	80.9	81.5	82.7	82.7	83.4	83.4	84.0	85.5
GE 2500	71.8	72.7	75.1	76.8	79.7	79.7	80.7	82.2	82.5	83.0	84.2	84.2	85.0	85.0	85.5	87.0
GE 2000	72.4	73.6	76.3	78.2	81.3	81.3	82.2	83.8	84.1	84.9	86.1	86.1	86.8	86.8	87.4	88.9
GE 1800	72.9	74.1	76.8	78.8	81.8	81.8	82.8	84.3	84.6	85.4	86.6	86.6	87.4	87.4	87.9	89.4
GE 1500	73.1	74.3	77.0	79.1	82.6	82.6	83.8	85.3	85.6	86.4	87.6	87.6	88.3	88.3	88.9	90.4
GE 1200	74.6	76.1	79.3	81.6	85.7	85.7	87.1	88.7	89.0	89.8	91.0	91.0	91.7	91.7	92.3	94.0
GE 1000	74.8	76.5	79.7	82.1	86.4	86.4	87.9	89.5	89.9	90.6	91.8	91.8	92.6	92.6	93.1	95.0
GE 900	75.1	76.8	80.2	82.6	86.8	86.8	88.3	90.0	90.3	91.3	92.5	92.5	93.2	93.2	93.8	95.6
GE 800	75.2	76.9	80.5	83.0	87.6	87.6	89.1	91.1	91.4	92.4	93.6	93.6	94.3	94.3	94.9	96.7
GE 700	75.6	77.3	80.9	83.4	88.1	88.1	89.7	91.6	91.9	92.9	94.1	94.1	94.9	94.9	95.4	97.3
GE 600	75.7	77.5	81.0	83.6	88.2	88.2	89.8	92.0	92.4	93.4	94.6	94.6	95.3	95.3	95.9	97.7
GE 500	75.9	77.7	81.3	83.8	88.5	88.5	90.0	92.3	92.6	93.6	94.8	94.8	95.5	95.5	96.1	97.9
GE 400	75.9	77.7	81.3	83.8	88.5	88.5	90.0	92.3	92.6	93.6	94.9	94.9	95.6	95.6	96.2	98.0
GE 300	76.0	77.8	81.4	83.9	88.7	88.7	90.2	92.5	92.8	93.9	95.2	95.2	96.0	96.0	96.5	98.4
GE 200	76.1	77.9	81.5	84.0	88.9	88.9	90.4	92.7	93.0	94.3	95.6	95.6	96.6	96.6	97.4	99.5
GE 100	76.1	77.9	81.5	84.0	88.9	88.9	90.4	92.7	93.0	94.3	95.6	95.6	96.6	96.6	97.5	99.8
GE 000	76.1	77.9	81.5	84.0	88.9	88.9	90.4	92.7	93.0	94.3	95.6	95.6	96.6	96.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 918

D - 2 - 20

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	58.8	59.7	60.3	61.5	62.0	62.7	63.6	63.9	64.8	65.5	65.5	65.5	65.5	66.0	66.7
GE 20000	59.9	60.6	61.4	62.1	63.4	63.8	64.6	65.6	65.9	66.8	67.4	67.4	67.6	67.6	68.6	69.6
GE 18000	60.5	61.1	62.0	62.6	63.9	64.4	65.1	66.1	66.4	67.3	68.0	68.0	68.2	68.2	69.2	70.2
GE 16000	60.8	61.4	62.3	63.0	64.3	64.7	65.5	66.7	67.0	67.9	68.5	68.5	68.7	68.7	69.7	70.7
GE 14000	60.9	61.5	62.4	63.1	64.4	64.8	65.6	66.8	67.1	68.0	68.6	68.6	68.8	68.8	69.8	70.8
GE 12000	61.5	62.3	63.2	63.8	65.1	65.6	66.3	67.5	67.9	68.7	69.4	69.4	69.6	69.6	70.6	71.6
GE 10000	64.3	65.0	66.0	66.9	68.6	69.1	70.2	71.5	71.8	72.7	73.4	73.4	73.6	73.6	74.7	75.7
GE 9000	66.0	66.8	67.8	68.6	70.4	70.8	71.9	73.4	73.7	74.6	75.4	75.4	75.6	75.6	76.7	77.7
GE 8000	67.5	68.3	69.3	70.3	72.2	72.7	73.9	75.4	75.7	76.6	77.3	77.3	77.6	77.7	79.0	80.1
GE 7000	68.1	68.8	69.8	71.0	73.2	73.7	74.9	76.6	76.9	77.8	78.5	78.5	78.8	78.9	80.2	81.3
GE 6000	68.6	69.4	70.6	71.8	74.2	74.7	75.9	77.6	77.9	78.8	79.5	79.5	79.7	79.8	81.2	82.2
GE 5000	68.8	69.6	70.8	72.0	74.4	74.9	76.1	77.8	78.1	79.0	79.7	79.7	80.0	80.1	81.4	82.5
GE 4500	68.8	69.6	70.9	72.1	74.5	75.1	76.3	77.9	78.2	79.1	79.8	79.8	80.1	80.2	81.5	82.6
GE 4000	69.6	70.6	71.9	73.2	75.6	76.1	77.5	79.1	79.4	80.3	81.2	81.2	81.4	81.5	82.8	83.9
GE 3500	69.7	70.7	72.0	73.3	75.7	76.3	77.7	79.3	79.7	80.6	81.5	81.5	81.7	81.8	83.1	84.2
GE 3000	70.2	71.1	72.5	74.1	76.9	77.5	78.9	80.5	80.9	81.8	82.7	82.7	82.9	83.0	84.3	85.4
GE 2500	71.5	72.9	74.6	76.1	79.0	79.5	80.9	82.6	83.0	83.9	84.9	84.9	85.1	85.3	86.6	87.7
GE 2000	72.3	73.7	75.5	77.1	80.4	80.9	82.6	84.2	84.6	85.6	86.6	86.6	86.8	87.0	88.3	89.4
GE 1800	72.4	73.9	75.6	77.2	80.6	81.2	82.8	84.4	85.1	86.1	87.0	87.0	87.3	87.5	88.8	89.9
GE 1500	72.9	74.3	76.1	77.9	81.3	81.8	83.4	85.2	85.8	86.8	87.8	87.8	88.0	88.2	89.5	90.6
GE 1200	74.2	75.7	78.0	80.1	83.8	84.3	86.2	87.9	88.7	89.8	90.7	90.7	91.1	91.3	92.6	93.7
GE 1000	74.5	76.5	78.9	80.9	84.7	85.3	87.5	89.8	90.6	91.7	92.7	92.7	93.0	93.2	94.6	95.9
GE 900	74.9	76.9	79.4	81.5	85.4	85.9	88.1	90.4	91.3	92.4	93.4	93.4	93.7	93.9	95.2	96.5
GE 800	75.3	77.2	79.6	81.9	85.9	86.5	88.7	91.2	92.0	93.1	94.1	94.1	94.4	94.7	96.0	97.3
GE 700	75.7	77.7	80.3	82.4	86.4	86.9	89.1	91.6	92.5	93.7	94.7	94.7	95.0	95.2	96.5	97.8
GE 600	75.7	77.7	80.3	82.4	86.4	86.9	89.1	91.9	92.8	94.0	95.0	95.0	95.3	95.5	96.8	98.1
GE 500	75.7	77.7	80.3	82.4	86.4	86.9	89.1	91.9	92.8	94.0	95.0	95.0	95.3	95.5	96.8	98.3
GE 400	75.7	77.7	80.3	82.4	86.4	86.9	89.1	91.9	92.8	94.0	95.0	95.0	95.3	95.6	96.9	98.4
GE 300	75.7	77.7	80.3	82.4	86.4	86.9	89.1	91.9	92.8	94.0	95.0	95.0	95.3	95.6	97.2	98.6
GE 200	76.0	78.0	80.6	82.7	86.7	87.3	89.4	92.3	93.1	94.3	95.3	95.3	95.8	96.2	98.0	99.5
GE 100	76.0	78.0	80.6	82.7	86.7	87.3	89.4	92.3	93.1	94.3	95.3	95.3	95.8	96.2	98.0	99.5
GE 000	76.0	78.0	80.6	82.7	86.7	87.3	89.4	92.3	93.1	94.3	95.3	95.3	95.8	96.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 918

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.5	61.1	62.9	64.1	65.0	65.8	66.7	67.9	68.1	69.2	69.8	69.8	70.6	70.7	70.9	71.3
GE 20000	62.3	62.8	64.8	66.0	66.9	67.7	68.6	69.8	70.2	71.3	71.9	71.9	72.9	73.2	73.5	74.2
GE 18000	63.9	64.5	66.4	67.7	68.5	69.3	70.3	71.5	71.8	72.9	73.6	73.6	74.6	74.9	75.1	75.9
GE 16000	63.9	64.5	66.4	67.7	68.5	69.3	70.3	71.5	71.8	72.9	73.6	73.6	74.6	74.9	75.1	75.9
GE 14000	63.9	64.5	66.4	67.7	68.5	69.3	70.3	71.5	71.8	72.9	73.6	73.6	74.6	74.9	75.1	75.9
GE 12000	64.6	65.1	67.1	68.3	69.3	70.1	71.1	72.3	72.6	73.7	74.5	74.5	75.5	75.9	76.2	77.0
GE 10000	66.7	67.4	69.5	70.9	72.3	73.0	74.6	76.0	76.4	77.6	78.5	78.5	79.6	79.9	80.3	81.1
GE 9000	67.0	67.9	70.1	71.6	72.9	73.8	75.3	76.8	77.2	78.4	79.3	79.3	80.5	80.9	81.3	82.2
GE 8000	68.9	69.7	71.9	73.5	74.8	75.7	77.3	78.7	79.2	80.4	81.3	81.3	82.5	82.9	83.4	84.6
GE 7000	69.3	70.2	72.5	74.1	75.4	76.3	78.0	79.4	79.8	81.1	82.0	82.0	83.2	83.7	84.2	85.6
GE 6000	69.4	70.3	72.6	74.2	75.8	76.6	78.3	79.9	80.4	81.7	82.6	82.6	83.8	84.2	84.8	86.2
GE 5000	69.5	70.4	72.7	74.3	75.9	76.8	78.4	80.0	80.5	81.8	82.7	82.7	83.9	84.3	84.9	86.3
GE 4500	69.5	70.4	72.7	74.3	75.9	76.8	78.4	80.0	80.5	81.8	82.7	82.7	83.9	84.3	84.9	86.3
GE 4000	70.2	71.2	73.7	75.4	77.0	77.9	79.5	81.1	81.6	82.9	83.8	83.8	85.1	85.5	86.1	87.5
GE 3500	70.3	71.3	73.8	75.5	77.1	78.0	79.6	81.3	81.7	83.0	83.9	83.9	85.2	85.6	86.2	87.6
GE 3000	70.5	71.5	74.0	75.9	77.4	78.3	80.6	82.2	82.7	84.0	84.9	84.9	86.2	86.6	87.2	88.6
GE 2500	71.3	72.4	75.0	77.1	78.7	79.6	82.1	83.9	84.3	85.6	86.5	86.5	87.8	88.3	88.8	90.2
GE 2000	72.4	73.5	76.1	78.2	79.9	80.9	83.7	85.5	86.0	87.3	88.2	88.2	89.5	89.9	90.5	91.9
GE 1800	72.6	73.7	76.3	78.4	80.2	81.1	83.9	85.7	86.2	87.5	88.4	88.4	89.7	90.1	90.7	92.1
GE 1500	72.9	74.0	76.8	78.8	80.7	81.8	84.6	86.5	87.0	88.4	89.4	89.4	90.7	91.1	91.7	93.1
GE 1200	73.4	74.6	77.4	79.5	81.7	82.8	85.9	87.7	88.4	89.8	90.8	90.8	92.1	92.5	93.4	94.8
GE 1000	73.5	74.7	77.5	79.6	81.8	82.9	86.0	87.8	88.5	90.2	91.3	91.3	92.7	93.1	94.0	95.4
GE 900	73.5	74.7	77.6	79.8	82.0	83.1	86.2	88.0	88.7	90.5	91.6	91.6	92.9	93.3	94.2	95.6
GE 800	73.8	75.0	78.0	80.3	82.7	83.8	87.0	89.0	89.8	91.6	92.7	92.7	94.1	94.5	95.4	96.8
GE 700	74.2	75.4	78.4	80.7	83.1	84.2	87.7	90.0	90.8	92.7	93.8	93.8	95.2	95.6	96.5	97.9
GE 600	74.2	75.5	78.5	80.8	83.2	84.3	87.9	90.2	91.0	93.1	94.6	94.6	96.1	96.5	97.4	98.8
GE 500	74.2	75.5	78.5	80.8	83.2	84.3	87.9	90.2	91.0	93.1	94.7	94.7	96.2	96.6	97.5	98.9
GE 400	74.2	75.5	78.5	80.8	83.2	84.3	87.9	90.2	91.0	93.1	94.7	94.7	96.3	96.7	97.6	99.0
GE 300	74.2	75.5	78.5	80.8	83.2	84.3	87.9	90.2	91.0	93.1	94.7	94.7	96.3	96.7	97.6	99.0
GE 200	74.3	75.7	78.6	80.9	83.3	84.4	88.0	90.4	91.1	93.3	95.0	95.0	96.5	97.0	98.0	99.5
GE 100	74.3	75.7	78.6	80.9	83.3	84.4	88.0	90.4	91.1	93.3	95.0	95.0	96.5	97.0	98.1	99.7
GE 000	74.3	75.7	78.6	80.9	83.3	84.4	88.0	90.4	91.1	93.3	95.0	95.0	96.5	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 912

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.3	62.7	64.8	66.0	67.7	68.5	68.9	70.6	70.8	71.6	72.0	72.0	73.1	73.6	73.7	74.3
GE 20000	63.3	63.7	65.8	67.2	69.0	69.8	70.2	71.9	72.1	72.9	73.3	73.6	74.8	75.2	75.4	76.3
GE 18000	64.7	65.1	67.4	68.9	70.9	71.8	72.1	73.9	74.1	74.9	75.3	75.5	76.7	77.2	77.4	78.3
GE 16000	64.7	65.1	67.4	68.9	70.9	71.8	72.1	73.9	74.1	74.9	75.3	75.5	76.7	77.2	77.4	78.3
GE 14000	65.4	65.8	68.1	69.5	71.6	72.5	72.8	74.5	74.8	75.5	76.0	76.2	77.4	77.8	78.0	78.9
GE 12000	65.7	66.1	68.4	69.8	71.9	72.8	73.1	74.9	75.1	75.8	76.3	76.5	77.7	78.1	78.4	79.2
GE 10000	67.8	68.3	70.6	72.0	74.2	75.1	75.6	77.7	77.9	79.0	79.6	79.8	81.1	81.5	81.7	82.6
GE 9000	68.3	68.9	71.1	72.6	74.8	75.6	76.2	78.3	78.5	79.6	80.1	80.3	81.6	82.2	82.4	83.3
GE 8000	69.2	69.8	72.1	73.7	75.8	76.7	77.3	79.3	79.6	80.7	81.2	81.4	82.7	83.3	83.7	84.7
GE 7000	69.8	70.5	72.8	74.3	76.5	77.4	78.0	80.1	80.3	81.4	82.0	82.2	83.5	84.0	84.5	85.5
GE 6000	69.8	70.5	72.8	74.3	76.5	77.4	78.0	80.4	80.7	81.9	82.4	82.6	83.9	84.5	84.9	85.9
GE 5000	69.9	70.6	72.9	74.4	76.6	77.5	78.3	80.8	81.0	82.3	82.8	83.1	84.4	84.9	85.4	86.3
GE 4500	69.9	70.6	72.9	74.4	76.6	77.5	78.3	80.8	81.0	82.3	82.8	83.1	84.4	84.9	85.4	86.3
GE 4000	70.3	70.9	73.2	74.8	76.9	77.8	78.7	81.2	81.4	82.8	83.5	83.7	85.0	85.6	86.0	87.0
GE 3500	70.3	71.0	73.3	75.0	77.2	78.0	79.0	81.5	81.7	83.2	83.9	84.2	85.6	86.1	86.6	87.5
GE 3000	70.6	71.5	73.9	75.6	78.0	79.1	80.1	82.6	82.8	84.5	85.2	85.5	86.9	87.4	87.9	88.9
GE 2500	71.3	72.6	75.3	77.2	79.7	80.8	81.7	84.3	84.5	86.1	86.9	87.1	88.5	89.1	89.5	90.5
GE 2000	72.1	73.4	76.2	78.1	80.7	81.9	83.1	85.6	85.8	87.4	88.2	88.4	89.8	90.4	90.8	91.8
GE 1800	72.1	73.4	76.2	78.1	80.7	81.9	83.1	85.6	85.8	87.4	88.2	88.4	89.8	90.4	90.8	91.8
GE 1500	72.8	74.1	76.8	78.8	81.3	82.6	84.2	86.7	86.9	88.5	89.3	89.5	90.9	91.5	92.1	93.2
GE 1200	72.9	74.3	77.3	79.3	81.9	83.2	84.8	87.3	87.5	89.2	89.9	90.2	91.7	92.2	92.9	94.0
GE 1000	73.1	74.6	77.6	79.7	82.2	83.5	85.1	87.7	87.9	89.5	90.6	90.8	92.3	92.9	93.6	94.6
GE 900	73.4	75.1	78.0	80.2	82.7	84.2	85.8	88.3	88.5	90.2	91.3	91.5	93.0	93.6	94.2	95.3
GE 800	73.4	75.1	78.3	80.4	83.1	84.5	86.1	88.6	88.9	90.5	91.6	91.8	93.4	94.0	94.6	95.7
GE 700	73.8	75.4	78.7	80.9	83.6	85.0	86.9	89.6	89.8	91.5	92.6	92.8	94.4	95.0	95.6	96.7
GE 600	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.2	93.8	94.0	95.8	96.4	97.0	98.1
GE 500	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.4	96.3	96.8	97.5	98.6
GE 400	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.4	96.3	96.9	97.6	98.7
GE 300	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.4	96.3	97.0	97.8	98.9
GE 200	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.4	96.4	97.2	98.0	99.1
GE 100	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.6	96.6	97.4	98.3	99.7
GE 000	73.9	75.5	78.9	81.1	83.8	85.2	87.7	90.4	90.6	92.7	94.2	94.6	96.6	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.5	61.6	63.2	65.1	66.5	67.0	67.4	68.7	68.8	69.5	69.9	70.0	70.5	70.5	70.7	71.2
GE 20000	61.7	62.8	64.5	66.5	68.3	68.7	69.2	70.5	70.6	71.2	71.8	71.9	72.3	72.4	72.7	73.4
GE 18000	62.6	63.8	65.6	67.6	69.7	70.3	70.8	72.2	72.3	73.0	73.5	73.7	74.1	74.2	74.4	75.2
GE 16000	62.9	64.1	66.0	68.1	70.1	70.7	71.2	72.7	72.8	73.4	74.0	74.1	74.5	74.6	74.9	75.6
GE 14000	63.2	64.5	66.4	68.5	70.6	71.1	71.7	73.1	73.2	73.9	74.4	74.5	75.0	75.1	75.3	76.1
GE 12000	64.4	65.8	67.6	69.7	71.8	72.3	72.9	74.3	74.4	75.2	75.7	75.9	76.3	76.4	76.6	77.4
GE 10000	66.4	67.7	69.6	71.7	74.0	74.5	75.1	76.5	76.6	77.7	78.3	78.4	78.8	78.9	79.1	79.9
GE 9000	66.8	68.2	70.0	72.1	74.4	75.0	75.5	76.9	77.1	78.2	78.7	78.8	79.3	79.4	79.6	80.4
GE 8000	67.4	68.7	70.6	72.7	75.1	75.6	76.2	77.6	77.7	79.0	79.6	79.7	80.1	80.2	80.5	81.6
GE 7000	68.3	69.6	71.7	73.8	76.3	77.1	77.6	79.0	79.3	80.6	81.1	81.3	81.8	81.9	82.1	83.2
GE 6000	68.4	69.7	71.8	73.9	76.4	77.2	77.7	79.1	79.4	80.9	81.4	81.7	82.1	82.2	82.4	83.5
GE 5000	69.0	70.4	72.4	74.5	77.2	77.9	78.5	79.9	80.1	81.7	82.2	82.4	82.9	83.0	83.2	84.3
GE 4500	69.0	70.4	72.4	74.5	77.2	77.9	78.5	79.9	80.1	81.7	82.2	82.4	82.9	83.0	83.2	84.3
GE 4000	69.5	70.8	73.2	75.3	78.3	79.0	79.6	81.0	81.2	82.9	83.4	83.6	84.2	84.3	84.5	85.8
GE 3500	69.6	70.9	73.3	75.4	78.7	79.5	80.0	81.4	81.7	83.4	84.1	84.3	84.9	85.0	85.2	86.5
GE 3000	69.9	71.4	74.1	76.3	79.9	81.0	81.6	83.0	83.2	85.0	85.6	85.8	86.4	86.5	86.7	88.0
GE 2500	71.0	72.4	75.6	77.9	81.6	82.7	83.2	84.9	85.1	86.8	87.5	87.7	88.3	88.5	88.7	90.0
GE 2000	71.7	73.1	76.5	78.9	82.7	83.9	84.5	86.3	86.5	88.3	88.9	89.1	89.9	90.1	90.3	91.7
GE 1800	71.7	73.1	76.5	78.9	82.7	83.9	84.5	86.3	86.5	88.3	88.9	89.1	89.9	90.1	90.3	91.7
GE 1500	72.6	74.0	77.4	79.9	83.8	85.2	85.8	87.6	87.8	89.6	90.2	90.5	91.2	91.4	91.7	93.0
GE 1200	73.5	75.1	78.5	81.1	85.0	86.4	87.0	88.8	89.2	91.0	91.7	91.9	92.9	93.1	93.3	94.6
GE 1000	73.8	75.3	78.7	81.3	85.2	86.6	87.3	89.0	89.5	91.2	91.9	92.1	93.1	93.6	93.9	95.2
GE 900	74.2	75.7	79.1	82.0	85.8	87.3	87.9	89.8	90.2	92.0	92.6	92.9	93.9	94.4	94.6	95.9
GE 800	74.2	75.7	79.1	82.0	85.8	87.3	87.9	89.8	90.2	92.0	92.9	93.2	94.2	94.7	95.0	96.3
GE 700	74.4	76.1	79.7	82.9	86.7	88.1	88.8	90.7	91.1	92.9	93.7	94.1	95.1	95.6	95.8	97.1
GE 600	74.4	76.1	79.9	83.1	86.9	88.4	89.1	91.0	91.5	93.6	94.5	94.8	96.2	96.7	96.9	98.2
GE 500	74.4	76.1	79.9	83.1	86.9	88.4	89.5	91.3	91.9	94.3	95.2	95.5	96.8	97.4	97.6	98.9
GE 400	74.4	76.1	79.9	83.1	86.9	88.4	89.5	91.3	91.9	94.3	95.3	95.6	96.9	97.5	97.7	99.0
GE 300	74.4	76.1	79.9	83.1	86.9	88.4	89.5	91.3	91.9	94.3	95.3	95.6	96.9	97.5	97.7	99.0
GE 200	74.4	76.1	80.0	83.2	87.0	88.5	89.6	91.5	92.1	94.5	95.5	95.8	97.1	97.7	97.9	99.3
GE 100	74.4	76.1	80.0	83.2	87.0	88.5	89.6	91.5	92.1	94.5	95.5	96.0	97.4	97.9	98.1	99.7
GE 000	74.4	76.1	80.0	83.2	87.0	88.5	89.6	91.5	92.1	94.5	95.5	96.0	97.4	97.9	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 911

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.1	60.4	61.5	62.8	64.3	64.9	65.1	65.7	65.9	66.6	67.0	67.1	67.6	67.6	67.6	67.7
GE 20000	61.7	62.0	63.2	64.6	66.3	67.0	67.2	67.8	67.9	68.7	69.0	69.1	69.6	69.9	70.0	70.9
GE 18000	62.1	62.3	63.5	65.0	66.7	67.3	67.6	68.2	68.3	69.0	69.4	69.5	70.0	70.2	70.4	71.2
GE 16000	62.6	62.8	64.0	65.5	67.2	67.8	68.0	68.7	68.8	69.5	69.9	70.0	70.5	70.7	70.9	71.7
GE 14000	62.8	63.0	64.3	65.7	67.7	68.3	68.5	69.1	69.3	70.0	70.4	70.5	71.0	71.2	71.3	72.2
GE 12000	64.0	64.3	65.5	67.0	68.9	69.5	69.8	70.4	70.5	71.2	71.6	71.7	72.2	72.4	72.6	73.4
GE 10000	66.3	66.6	67.9	69.8	72.3	72.9	73.2	73.8	73.9	75.4	75.7	75.9	76.3	76.6	76.7	77.7
GE 9000	67.7	68.2	69.6	71.5	74.1	74.8	75.0	75.6	75.7	77.2	77.6	77.7	78.2	78.4	78.5	79.5
GE 8000	68.2	68.7	70.2	72.1	74.9	75.5	75.9	76.6	76.7	78.2	78.5	78.7	79.1	79.4	79.5	80.5
GE 7000	70.0	70.5	72.1	74.0	77.1	77.7	78.0	78.8	78.9	80.4	80.7	80.9	81.3	81.6	81.7	82.7
GE 6000	71.0	71.5	73.0	75.0	78.0	78.8	79.1	79.9	80.0	81.5	81.8	82.0	82.4	82.7	82.8	83.8
GE 5000	71.3	71.8	73.7	75.6	78.8	79.5	79.9	80.6	80.7	82.2	82.6	82.7	83.2	83.4	83.5	84.5
GE 4500	71.3	71.8	73.7	75.6	78.8	79.5	79.9	80.6	80.7	82.2	82.6	82.7	83.2	83.4	83.5	84.5
GE 4000	71.5	72.0	73.9	76.3	79.9	80.6	81.0	81.7	81.8	83.5	84.0	84.1	84.6	84.9	85.0	86.1
GE 3500	71.7	72.2	74.4	77.0	81.1	81.8	82.2	82.9	83.2	84.9	85.4	85.5	86.0	86.2	86.3	87.4
GE 3000	72.4	73.0	75.4	78.0	82.7	83.4	84.1	84.9	85.1	86.8	87.3	87.4	87.9	88.2	88.3	89.4
GE 2500	73.3	73.9	76.3	79.4	84.3	85.0	85.7	86.5	86.7	88.4	88.9	89.0	89.5	89.9	90.0	91.1
GE 2000	73.8	74.4	76.8	80.0	85.2	86.0	86.8	87.8	88.0	89.8	90.6	90.7	91.2	91.7	92.0	93.0
GE 1800	73.8	74.4	76.8	80.0	85.2	86.0	86.8	87.8	88.0	89.8	90.6	90.7	91.2	91.7	92.0	93.0
GE 1500	74.5	75.1	77.7	80.9	86.2	87.0	87.8	88.8	89.0	90.7	91.6	91.7	92.2	92.7	92.9	94.0
GE 1200	74.9	75.5	78.0	81.2	86.6	87.3	88.2	89.5	89.8	91.7	92.6	92.7	93.3	93.8	94.0	95.1
GE 1000	75.4	76.0	78.5	81.7	87.1	87.9	88.8	90.1	90.4	92.3	93.2	93.3	94.0	94.6	95.0	96.1
GE 900	75.5	76.1	78.7	81.8	87.2	88.0	88.9	90.5	90.7	92.7	93.5	93.7	94.4	95.0	95.4	96.5
GE 800	75.5	76.1	78.7	81.8	87.2	88.0	89.0	90.6	90.9	92.8	93.7	93.8	94.5	95.1	95.5	96.6
GE 700	75.5	76.2	78.9	82.2	87.6	88.4	89.4	91.0	91.2	93.2	94.0	94.1	94.9	95.5	95.9	97.0
GE 600	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	94.8	95.7	95.9	96.6	97.2	97.6	98.7
GE 500	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.1	96.1	96.2	97.0	97.6	97.9	99.0
GE 400	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.1	96.1	96.2	97.0	97.6	97.9	99.0
GE 300	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.1	96.1	96.2	97.0	97.6	97.9	99.0
GE 200	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.5	96.5	96.6	97.3	97.9	98.3	99.4
GE 100	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.5	96.5	96.6	97.3	97.9	98.3	99.6
GE 000	75.9	76.8	79.6	82.9	88.5	89.6	90.7	92.3	92.6	95.5	96.5	96.6	97.3	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 820

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.3	61.7	63.7	64.4	66.1	66.6	67.3	67.8	68.1	68.5	68.7	68.7	69.3	69.5	69.6	70.1
GE 20000	62.4	62.9	65.1	65.8	67.5	68.0	68.7	69.2	69.5	69.8	70.1	70.1	70.7	70.9	71.0	72.2
GE 18000	63.3	63.8	66.0	66.7	68.3	68.8	69.6	70.1	70.4	70.7	71.0	71.0	71.6	71.7	71.9	73.1
GE 16000	63.6	64.2	66.3	67.1	68.8	69.3	70.1	70.6	70.9	71.2	71.5	71.5	72.1	72.2	72.4	73.6
GE 14000	63.9	64.8	67.0	67.7	69.5	70.0	70.7	71.2	71.5	71.9	72.1	72.1	72.7	72.9	73.0	74.2
GE 12000	64.7	65.6	67.7	68.6	70.5	71.0	71.7	72.2	72.5	72.9	73.1	73.1	73.7	73.9	74.0	75.3
GE 10000	66.3	67.2	69.3	70.5	72.5	73.4	74.4	74.9	75.1	75.6	75.9	75.9	76.5	76.6	76.8	78.0
GE 9000	67.6	68.5	70.6	71.7	73.7	74.6	75.6	76.1	76.4	76.9	77.1	77.1	77.8	77.9	78.0	79.3
GE 8000	68.2	69.2	71.4	72.5	74.5	75.8	76.8	77.3	77.5	78.0	78.3	78.3	78.9	79.0	79.1	80.4
GE 7000	69.7	70.7	72.9	74.1	76.1	77.4	78.4	78.9	79.1	79.6	79.9	79.9	80.7	80.8	80.9	82.2
GE 6000	70.2	71.2	73.4	74.6	76.6	77.9	78.9	79.4	79.6	80.2	80.4	80.4	81.2	81.3	81.4	82.7
GE 5000	71.0	72.0	74.1	75.4	77.4	78.6	79.6	80.2	80.4	80.9	81.2	81.2	81.9	82.0	82.2	83.4
GE 4500	71.1	72.1	74.2	75.5	77.5	78.8	79.8	80.3	80.5	81.0	81.3	81.3	82.0	82.2	82.3	83.5
GE 4000	71.4	72.4	74.6	75.9	78.3	79.5	80.5	81.2	81.4	81.9	82.2	82.2	83.0	83.2	83.3	84.5
GE 3500	71.7	72.7	75.3	76.9	79.6	80.9	81.9	82.5	82.9	83.7	83.9	83.9	84.9	85.1	85.2	86.4
GE 3000	72.9	73.9	76.8	78.8	81.5	83.0	84.0	84.8	85.2	86.2	86.4	86.4	87.4	87.6	87.7	88.9
GE 2500	73.2	74.2	77.5	79.6	82.7	84.2	85.2	85.9	86.3	87.4	87.7	87.7	88.7	88.8	88.9	90.2
GE 2000	73.4	74.5	77.9	80.3	83.4	84.9	85.9	86.7	87.2	88.9	89.3	89.3	90.6	90.7	90.8	92.1
GE 1800	73.4	74.5	78.1	80.5	83.9	85.4	86.4	87.2	87.7	89.4	89.8	89.8	91.1	91.2	91.3	92.6
GE 1500	73.6	74.7	78.5	80.9	84.3	85.8	86.9	87.7	88.2	89.9	90.5	90.5	91.7	91.8	92.0	93.2
GE 1200	74.2	75.5	79.8	82.3	85.8	87.3	88.4	89.2	89.7	91.5	92.0	92.0	93.2	93.3	93.5	94.7
GE 1000	74.5	75.8	80.0	82.5	86.1	87.7	89.2	89.9	90.5	92.2	92.7	92.7	94.0	94.1	94.2	95.5
GE 900	74.6	75.9	80.2	82.7	86.2	87.8	89.3	90.3	90.8	92.7	93.2	93.2	94.5	94.7	94.8	96.1
GE 800	74.6	76.0	80.5	83.0	86.7	88.3	89.8	90.8	91.3	93.3	93.8	93.8	95.1	95.5	95.6	96.9
GE 700	75.1	76.5	81.0	83.5	87.2	88.8	90.3	91.3	91.8	93.8	94.3	94.3	95.6	96.0	96.1	97.4
GE 600	75.5	76.9	81.4	83.9	87.6	89.6	91.1	92.1	92.6	94.6	95.1	95.1	96.4	96.7	96.9	98.1
GE 500	75.6	77.0	81.5	84.0	87.7	89.7	91.2	92.2	92.7	95.0	95.5	95.5	96.9	97.2	97.4	98.6
GE 400	75.6	77.0	81.5	84.0	87.7	89.7	91.2	92.2	92.7	95.0	95.5	95.5	96.9	97.2	97.4	98.6
GE 300	75.6	77.0	81.5	84.0	87.7	89.8	91.3	92.3	93.1	95.4	95.9	95.9	97.2	97.6	98.0	99.2
GE 200	75.6	77.0	81.5	84.0	87.7	89.8	91.3	92.3	93.1	95.5	96.0	96.0	97.4	97.7	98.1	99.4
GE 100	75.6	77.0	81.5	84.0	87.7	89.8	91.3	92.3	93.1	95.5	96.0	96.0	97.4	97.7	98.4	99.9
GE 000	75.6	77.0	81.5	84.0	87.7	89.8	91.3	92.3	93.1	95.5	96.0	96.0	97.4	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 796

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.8	61.4	62.8	63.9	65.3	65.7	66.3	67.3	67.5	68.2	68.7	68.8	69.2	69.3	69.5	70.0
GE 20000	62.1	62.7	64.2	65.3	66.9	67.3	67.9	68.9	69.1	69.8	70.4	70.5	71.0	71.2	71.5	72.5
GE 18000	63.0	63.5	65.1	66.2	67.9	68.3	68.9	69.9	70.1	70.8	71.4	71.5	72.1	72.2	72.6	73.5
GE 16000	63.2	63.7	65.3	66.5	68.1	68.5	69.1	70.2	70.4	71.1	71.7	71.8	72.4	72.5	72.9	73.8
GE 14000	63.5	64.1	65.6	66.8	68.5	68.9	69.5	70.6	70.8	71.5	72.1	72.2	72.8	72.9	73.3	74.2
GE 12000	64.2	64.8	66.4	67.6	69.3	69.8	70.3	71.4	71.7	72.4	73.0	73.0	73.6	73.8	74.2	75.1
GE 10000	66.4	67.0	68.7	70.0	72.0	72.5	73.3	74.4	74.7	75.6	76.3	76.4	77.0	77.1	77.5	78.5
GE 9000	67.4	68.1	69.8	71.2	73.2	73.7	74.4	75.7	76.0	76.9	77.6	77.7	78.3	78.5	78.9	79.9
GE 8000	68.4	69.2	71.0	72.4	74.5	75.1	75.9	77.3	77.6	78.5	79.2	79.2	79.9	80.1	80.5	81.7
GE 7000	69.4	70.1	72.0	73.6	75.7	76.4	77.2	78.6	78.8	79.8	80.5	80.6	81.2	81.4	81.9	83.0
GE 6000	69.7	70.5	72.4	73.9	76.2	76.8	77.7	79.1	79.4	80.4	81.1	81.1	81.8	82.1	82.5	83.7
GE 5000	70.1	70.9	72.8	74.3	76.6	77.3	78.1	79.6	79.8	80.9	81.5	81.6	82.3	82.5	83.0	84.1
GE 4500	70.1	70.9	72.8	74.4	76.7	77.3	78.1	79.6	79.9	80.9	81.6	81.7	82.4	82.6	83.0	84.2
GE 4000	70.5	71.3	73.4	75.1	77.5	78.1	79.0	80.5	80.8	81.9	82.6	82.7	83.4	83.6	84.1	85.3
GE 3500	70.8	71.6	73.8	75.6	78.2	78.8	79.7	81.2	81.6	82.7	83.5	83.5	84.3	84.5	85.0	86.2
GE 3000	71.2	72.1	74.5	76.4	79.4	80.1	81.1	82.7	83.0	84.2	85.0	85.0	85.8	86.0	86.5	87.7
GE 2500	72.1	73.1	75.8	77.9	80.9	81.6	82.7	84.3	84.6	85.9	86.6	86.7	87.4	87.7	88.1	89.4
GE 2000	72.8	73.9	76.6	78.8	82.1	82.8	84.0	85.7	86.1	87.4	88.2	88.3	89.1	89.4	89.8	91.1
GE 1800	72.9	74.0	76.8	79.0	82.3	83.0	84.2	85.8	86.3	87.6	88.4	88.5	89.3	89.6	90.1	91.3
GE 1500	73.3	74.4	77.3	79.6	83.0	83.8	85.2	86.8	87.2	88.6	89.4	89.5	90.3	90.6	91.1	92.3
GE 1200	74.1	75.4	78.5	80.9	84.5	85.3	86.8	88.5	89.0	90.4	91.3	91.3	92.2	92.5	93.0	94.3
GE 1000	74.4	75.7	78.9	81.3	85.0	85.8	87.4	89.2	89.7	91.2	92.1	92.1	93.0	93.4	93.9	95.2
GE 900	74.6	76.0	79.2	81.7	85.4	86.2	87.8	89.7	90.2	91.7	92.6	92.7	93.6	93.9	94.5	95.8
GE 800	74.7	76.1	79.5	81.9	85.8	86.6	88.3	90.2	90.8	92.3	93.2	93.3	94.2	94.6	95.2	96.5
GE 700	75.0	76.5	79.9	82.4	86.3	87.1	88.9	90.9	91.4	93.0	93.9	94.0	94.9	95.3	95.8	97.2
GE 600	75.2	76.7	80.2	82.7	86.6	87.5	89.4	91.5	92.0	93.7	94.8	94.9	95.9	96.2	96.8	98.1
GE 500	75.3	76.8	80.2	82.8	86.6	87.6	89.5	91.6	92.1	94.0	95.1	95.1	96.2	96.5	97.1	98.4
GE 400	75.3	76.8	80.3	82.8	86.7	87.6	89.5	91.6	92.2	94.0	95.1	95.2	96.2	96.6	97.2	98.5
GE 300	75.4	76.8	80.3	82.8	86.7	87.7	89.6	91.7	92.3	94.1	95.3	95.3	96.4	96.8	97.4	98.8
GE 200	75.4	76.9	80.4	82.9	86.8	87.8	89.7	91.8	92.4	94.4	95.5	95.6	96.7	97.1	97.9	99.3
GE 100	75.4	76.9	80.4	82.9	86.8	87.8	89.7	91.8	92.4	94.4	95.5	95.6	96.8	97.2	98.0	99.7
GE 000	75.4	76.9	80.4	82.9	86.8	87.8	89.7	91.8	92.4	94.4	95.5	95.6	96.8	97.2	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7071



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	56.3	57.9	58.6	59.2	59.6	60.5	60.9	61.1	61.9	62.6	62.6	62.8	63.0	63.4	63.5
GE 20000	57.7	58.1	59.8	60.5	61.1	61.5	62.3	62.8	62.9	63.7	64.7	64.7	64.9	65.1	65.5	65.6
GE 18000	58.1	58.6	60.2	60.9	61.5	62.0	62.8	63.3	63.4	64.2	65.1	65.1	65.4	65.6	66.0	66.1
GE 16000	58.2	58.7	60.4	61.1	61.6	62.1	62.9	63.4	63.5	64.3	65.3	65.3	65.5	65.7	66.1	66.2
GE 14000	58.5	58.9	60.6	61.3	61.9	62.3	63.2	64.0	64.1	64.9	65.8	65.8	66.1	66.3	66.7	66.8
GE 12000	59.8	60.4	62.0	62.7	63.3	63.7	64.6	65.4	65.5	66.3	67.3	67.3	67.5	67.7	68.1	68.2
GE 10000	62.3	62.9	64.7	65.4	66.0	66.4	67.3	68.3	68.4	69.2	70.2	70.2	70.4	70.6	71.0	71.1
GE 9000	62.8	63.4	65.3	66.0	66.5	67.0	67.8	68.9	69.0	69.8	70.8	70.8	71.0	71.2	71.6	71.7
GE 8000	64.4	65.0	66.9	67.6	68.2	68.7	69.5	70.5	70.6	71.5	72.4	72.4	72.6	72.9	73.2	73.3
GE 7000	65.6	66.2	68.2	69.1	69.7	70.3	71.1	72.2	72.3	73.1	74.0	74.0	74.4	74.6	75.0	75.1
GE 6000	66.3	66.9	68.9	69.8	70.4	71.0	71.8	72.9	73.0	73.8	74.7	74.7	75.1	75.3	75.7	75.8
GE 5000	66.9	67.5	69.5	70.4	71.0	71.6	72.4	73.7	73.8	74.6	75.6	75.6	75.9	76.1	76.5	76.6
GE 4500	66.9	67.5	69.5	70.4	71.0	71.6	72.4	73.7	73.8	74.6	75.6	75.6	75.9	76.1	76.5	76.6
GE 4000	67.6	68.3	70.3	71.3	72.0	72.6	73.7	75.0	75.1	75.9	76.8	76.8	77.2	77.4	77.8	77.9
GE 3500	68.3	69.0	71.3	72.7	73.5	74.0	75.1	76.4	76.5	77.3	78.4	78.4	78.7	78.9	79.3	79.4
GE 3000	68.3	69.0	71.3	73.1	73.8	74.4	75.4	76.8	77.0	77.8	78.8	78.8	79.2	79.4	79.8	79.9
GE 2500	69.0	69.7	72.3	74.0	75.0	75.6	76.6	78.0	78.1	78.9	80.0	80.0	80.4	80.6	80.9	81.1
GE 2000	70.1	70.9	73.5	75.2	76.3	77.0	78.1	79.6	79.9	80.7	81.8	81.8	82.1	82.5	82.8	82.9
GE 1800	70.1	70.9	73.5	75.2	76.3	77.0	78.1	79.6	79.9	80.7	81.8	81.8	82.1	82.5	82.8	82.9
GE 1500	71.0	72.3	74.9	76.6	78.4	79.1	80.6	82.1	82.6	83.6	84.7	84.7	85.1	85.5	86.3	86.4
GE 1200	72.3	73.8	77.0	78.9	81.2	81.9	83.7	85.4	85.8	86.9	88.1	88.1	88.5	88.9	89.9	90.1
GE 1000	73.7	75.2	78.4	80.6	82.9	83.6	85.5	87.1	87.6	88.7	89.8	89.8	90.3	90.6	91.7	91.8
GE 900	74.0	75.6	78.9	81.2	83.5	84.2	86.2	88.0	88.4	89.5	90.8	90.8	91.2	91.6	92.6	92.7
GE 800	74.7	76.5	80.2	82.7	85.3	86.0	88.0	89.7	90.2	91.2	93.1	93.1	93.8	94.2	95.2	95.3
GE 700	75.2	77.1	80.8	83.3	85.8	86.5	88.5	90.3	90.8	91.8	93.7	93.7	94.4	94.7	95.8	95.9
GE 600	75.8	77.7	81.4	83.9	86.4	87.1	89.1	90.9	91.3	92.4	94.3	94.3	95.0	95.3	96.4	96.5
GE 500	76.1	78.0	81.8	84.2	86.8	87.5	89.6	91.3	91.8	93.1	95.3	95.3	96.0	96.4	97.4	97.5
GE 400	76.3	78.1	82.0	84.4	87.3	88.0	90.1	92.0	92.5	93.8	96.0	96.0	96.7	97.1	98.1	98.2
GE 300	76.3	78.1	82.0	84.4	87.4	88.1	90.4	92.5	93.0	94.3	96.7	96.7	97.7	98.0	99.1	99.2
GE 200	76.3	78.1	82.0	84.4	87.4	88.1	90.4	92.5	93.0	94.3	96.7	96.7	97.7	98.0	99.1	99.5
GE 100	76.3	78.1	82.0	84.4	87.4	88.1	90.4	92.5	93.0	94.3	96.7	96.7	97.8	98.1	99.3	100.0
GE 000	76.3	78.1	82.0	84.4	87.4	88.1	90.4	92.5	93.0	94.3	96.7	96.7	97.8	98.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 855

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.0	54.4	55.8	56.3	57.0	57.2	57.9	58.4	58.5	58.8	59.2	59.2	59.6	59.6	59.7	60.0
GE 20000	54.0	55.4	57.0	57.4	58.1	58.3	59.0	59.6	59.7	59.9	60.3	60.3	60.7	60.7	60.8	61.1
GE 18000	54.4	55.7	57.3	57.8	58.4	58.7	59.3	60.2	60.3	60.6	61.0	61.0	61.3	61.3	61.5	61.8
GE 16000	55.3	56.6	58.2	58.7	59.3	59.6	60.2	61.1	61.2	61.5	61.9	61.9	62.2	62.2	62.4	62.7
GE 14000	55.6	57.0	58.5	59.0	59.7	59.9	60.6	61.5	61.6	61.8	62.2	62.2	62.6	62.6	62.7	63.0
GE 12000	56.5	57.9	59.4	59.9	60.6	60.8	61.5	62.4	62.5	62.7	63.1	63.1	63.5	63.5	63.6	63.9
GE 10000	60.1	61.6	63.4	63.8	64.6	65.2	66.1	67.2	67.3	67.5	68.1	68.1	68.4	68.4	68.7	69.0
GE 9000	61.0	62.5	64.3	64.7	65.5	66.1	67.0	68.1	68.2	68.4	69.0	69.0	69.3	69.3	69.6	69.9
GE 8000	62.4	63.8	65.7	66.3	67.1	67.6	68.5	69.7	69.8	70.0	70.6	70.6	70.9	70.9	71.1	71.5
GE 7000	64.4	66.0	67.9	68.4	69.3	69.9	70.8	72.1	72.2	72.5	73.0	73.0	73.4	73.4	73.6	73.9
GE 6000	64.7	66.4	68.3	68.9	69.8	70.3	71.2	72.6	72.7	72.9	73.5	73.5	73.8	73.8	74.0	74.4
GE 5000	65.7	67.5	69.6	70.1	71.0	71.6	72.5	73.8	73.9	74.2	74.7	74.7	75.1	75.1	75.3	75.6
GE 4500	65.7	67.5	69.6	70.1	71.0	71.6	72.5	73.8	73.9	74.2	74.7	74.7	75.1	75.1	75.3	75.6
GE 4000	66.9	68.7	70.8	71.5	72.5	73.4	74.4	75.8	76.0	76.2	76.9	77.0	77.3	77.3	77.5	77.9
GE 3500	67.0	68.8	71.0	71.9	73.3	74.2	75.2	76.6	76.7	77.0	77.6	77.8	78.2	78.2	78.5	78.9
GE 3000	67.1	69.0	71.7	72.6	73.9	74.8	76.0	77.4	77.5	77.8	78.4	78.5	79.1	79.1	79.4	79.8
GE 2500	67.8	69.8	72.7	73.8	75.8	76.7	77.9	79.3	79.4	79.7	80.3	80.4	81.0	81.0	81.3	81.7
GE 2000	68.3	70.4	73.5	74.6	76.7	77.6	79.2	81.0	81.1	81.3	82.0	82.1	82.7	82.7	83.0	83.4
GE 1800	68.7	70.8	73.8	74.9	77.1	78.0	79.6	81.3	81.5	81.7	82.4	82.5	83.0	83.0	83.4	83.7
GE 1500	69.9	72.1	75.3	76.4	78.9	79.8	81.5	83.4	83.6	83.9	84.9	85.1	85.7	85.8	86.3	86.7
GE 1200	71.5	73.9	77.6	79.0	81.6	82.5	84.5	86.7	87.0	87.4	88.4	88.5	89.2	89.3	89.8	90.2
GE 1000	72.0	74.5	78.8	80.1	83.3	84.2	86.2	89.1	89.3	89.8	90.8	90.9	91.6	91.7	92.1	92.6
GE 900	72.7	75.3	79.6	80.9	84.4	85.3	87.3	90.2	90.4	90.9	91.9	92.0	92.7	92.8	93.3	93.7
GE 800	72.9	75.6	80.0	81.3	85.1	86.0	88.0	91.1	91.3	91.8	92.8	92.9	93.6	93.7	94.3	94.7
GE 700	73.8	76.5	81.1	82.7	86.4	87.3	89.4	92.6	92.8	93.3	94.3	94.4	95.1	95.2	95.7	96.2
GE 600	74.0	76.7	81.3	82.9	86.6	87.5	89.7	92.8	93.0	93.5	94.5	94.6	95.3	95.4	96.0	96.4
GE 500	74.2	76.9	81.5	83.0	86.9	87.8	89.9	93.0	93.3	94.0	95.1	95.2	95.8	96.0	96.5	97.0
GE 400	74.5	77.2	81.8	83.4	87.2	88.2	90.6	93.9	94.2	95.2	96.4	96.5	97.3	97.4	98.0	98.4
GE 300	74.5	77.2	81.8	83.4	87.2	88.2	90.6	94.2	94.4	95.4	96.7	96.9	97.8	97.9	98.4	99.1
GE 200	74.5	77.2	81.8	83.4	87.2	88.2	90.7	94.4	94.6	95.6	97.0	97.1	98.1	98.2	98.8	99.7
GE 100	74.5	77.2	81.8	83.4	87.2	88.2	90.7	94.4	94.6	95.6	97.0	97.1	98.1	98.3	99.0	100.0
GE 000	74.5	77.2	81.8	83.4	87.2	88.2	90.7	94.4	94.6	95.6	97.0	97.1	98.1	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.9	52.1	54.4	55.3	56.4	56.4	56.9	57.4	57.5	57.8	58.5	58.6	58.8	58.8	59.1	59.4
GE 20000	52.4	53.7	56.0	56.9	58.0	58.1	58.6	59.3	59.4	59.6	60.3	60.4	60.6	60.7	61.2	61.4
GE 18000	52.9	54.1	56.4	57.3	58.6	58.7	59.1	59.8	59.9	60.2	60.8	61.0	61.2	61.3	61.7	62.0
GE 16000	53.6	54.8	57.1	58.0	59.3	59.4	59.8	60.5	60.6	60.8	61.5	61.6	61.9	62.0	62.4	62.7
GE 14000	53.8	55.1	57.3	58.2	59.5	59.6	60.0	60.7	60.8	61.1	61.7	61.9	62.1	62.2	62.7	62.9
GE 12000	54.8	56.1	58.3	59.3	60.5	60.6	61.1	61.7	61.9	62.1	62.8	62.9	63.1	63.2	63.7	63.9
GE 10000	57.0	58.2	60.6	61.5	63.2	63.5	64.0	65.0	65.2	65.4	66.1	66.2	66.4	66.5	67.1	67.3
GE 9000	57.7	58.9	61.4	62.3	64.0	64.4	64.9	65.9	66.1	66.3	67.0	67.1	67.3	67.4	68.0	68.2
GE 8000	60.2	61.5	64.0	64.9	66.7	67.1	67.7	68.7	68.8	69.0	69.7	69.8	70.0	70.1	70.7	70.9
GE 7000	61.3	62.8	65.4	66.3	68.1	68.4	69.0	70.0	70.1	70.4	71.1	71.2	71.4	71.5	72.1	72.3
GE 6000	61.6	63.1	65.7	66.6	68.4	68.8	69.4	70.4	70.5	70.7	71.4	71.5	71.7	71.9	72.4	72.6
GE 5000	63.1	64.8	67.7	68.7	70.5	70.9	71.5	72.5	72.6	73.1	73.8	73.9	74.1	74.2	74.8	75.0
GE 4500	63.7	65.4	68.2	69.2	71.1	71.5	72.1	73.1	73.2	73.7	74.3	74.5	74.7	74.8	75.4	75.6
GE 4000	64.5	66.3	69.4	70.5	72.3	72.8	73.7	75.1	75.3	75.7	76.4	76.5	76.7	77.1	77.6	77.9
GE 3500	64.6	66.5	69.8	71.3	73.4	73.9	74.8	76.5	76.6	77.2	77.9	78.0	78.5	78.9	79.5	79.7
GE 3000	64.8	66.9	70.5	72.0	74.1	74.6	75.7	77.4	77.5	78.1	78.8	78.9	79.5	79.8	80.4	80.6
GE 2500	65.6	67.8	71.7	73.4	75.7	76.3	77.8	79.7	79.8	80.4	81.0	81.2	81.7	82.1	82.6	82.9
GE 2000	66.7	68.9	73.2	74.9	77.5	78.2	79.9	81.8	82.0	82.6	83.3	83.4	84.0	84.3	84.9	85.1
GE 1800	66.9	69.0	73.3	75.0	77.6	78.3	80.0	82.0	82.1	82.7	83.4	83.5	84.1	84.4	85.0	85.2
GE 1500	68.0	70.3	74.9	77.0	79.8	80.6	82.5	84.4	84.6	85.6	86.3	86.4	86.9	87.3	87.9	88.2
GE 1200	69.4	71.6	77.1	79.1	82.1	82.9	84.8	86.7	86.8	87.9	88.5	88.6	89.2	89.6	90.1	90.5
GE 1000	69.8	72.1	78.0	80.0	83.5	84.3	86.3	88.9	89.0	90.1	90.9	91.0	91.7	92.1	92.6	93.0
GE 900	70.0	72.3	78.2	80.2	84.1	84.9	86.8	89.4	89.6	90.7	91.5	91.6	92.3	92.6	93.2	93.5
GE 800	70.3	72.6	78.5	80.6	84.6	85.4	87.4	90.0	90.1	91.3	92.1	92.2	92.8	93.2	93.8	94.1
GE 700	70.9	73.6	79.5	81.5	85.5	86.4	88.4	91.1	91.3	92.4	93.3	93.4	94.1	94.4	95.0	95.3
GE 600	70.9	73.6	79.6	81.6	85.6	86.5	88.6	91.6	91.7	92.8	93.8	93.9	94.6	94.9	95.5	95.8
GE 500	71.2	73.8	79.8	81.8	85.8	86.7	88.9	91.8	92.1	93.4	94.3	94.4	95.1	95.5	96.1	96.5
GE 400	71.4	74.0	80.0	82.1	86.2	87.1	89.2	92.2	92.4	93.9	94.9	95.0	95.7	96.0	96.8	97.2
GE 300	71.4	74.0	80.0	82.1	86.2	87.2	89.4	92.8	93.1	94.8	95.8	95.9	96.6	97.0	98.0	98.6
GE 200	71.4	74.0	80.0	82.1	86.2	87.2	89.4	93.0	93.2	95.1	96.3	96.4	97.3	97.7	98.6	99.3
GE 100	71.4	74.0	80.0	82.1	86.2	87.2	89.4	93.0	93.2	95.1	96.3	96.4	97.4	98.1	99.2	100.0
GE 000	71.4	74.0	80.0	82.1	86.2	87.2	89.4	93.0	93.2	95.1	96.3	96.4	97.4	98.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.1	57.4	59.0	60.1	61.1	61.2	61.7	62.3	62.6	63.0	63.4	63.4	63.6	63.7	63.9	64.1
GE 20000	57.5	58.7	60.8	61.9	62.9	63.0	63.6	64.4	64.6	65.1	65.4	65.4	65.7	65.8	66.1	66.3
GE 18000	57.8	59.1	61.4	62.6	63.6	63.7	64.3	65.1	65.3	65.7	66.1	66.1	66.4	66.5	66.7	67.0
GE 16000	58.1	59.3	61.7	62.8	63.8	63.9	64.5	65.3	65.5	66.0	66.3	66.3	66.6	66.7	67.0	67.2
GE 14000	58.2	59.4	61.8	62.9	63.9	64.0	64.6	65.4	65.6	66.1	66.4	66.4	66.7	66.9	67.1	67.3
GE 12000	58.5	59.8	62.1	63.2	64.3	64.4	64.9	65.7	66.0	66.4	66.7	66.7	67.1	67.2	67.4	67.6
GE 10000	60.0	61.2	63.6	64.7	65.7	65.8	66.4	67.2	67.4	67.9	68.3	68.3	68.7	68.8	69.0	69.2
GE 9000	60.7	61.9	64.3	65.4	66.4	66.5	67.1	67.9	68.1	68.5	69.0	69.0	69.3	69.4	69.7	69.9
GE 8000	63.2	64.6	67.0	68.1	69.1	69.2	69.9	70.7	70.9	71.4	71.8	71.8	72.3	72.4	72.7	72.9
GE 7000	64.5	66.1	68.4	69.6	70.6	70.7	71.4	72.5	72.7	73.3	73.7	73.7	74.3	74.4	74.7	75.0
GE 6000	64.7	66.3	68.7	69.8	70.8	70.9	71.6	72.7	72.9	73.5	74.0	74.0	74.5	74.6	75.0	75.2
GE 5000	66.1	67.6	70.0	71.1	72.3	72.4	73.1	74.2	74.4	75.1	75.5	75.5	76.1	76.2	76.6	76.8
GE 4500	66.9	68.4	70.8	71.9	73.1	73.2	73.8	75.0	75.2	75.9	76.3	76.3	76.9	77.0	77.3	77.6
GE 4000	67.1	68.9	71.3	72.5	73.6	73.7	74.9	76.0	76.2	77.1	77.7	77.7	78.4	78.5	78.8	79.0
GE 3500	67.1	68.9	71.3	72.5	73.6	73.8	75.1	76.6	76.8	77.7	78.2	78.2	79.0	79.1	79.7	79.9
GE 3000	67.2	69.0	71.5	72.7	74.2	74.4	75.6	77.1	77.3	78.2	78.9	79.1	79.9	80.0	80.6	80.8
GE 2500	68.0	70.0	72.5	74.1	75.5	76.1	77.3	79.0	79.3	80.2	80.8	81.1	81.8	82.0	82.5	82.8
GE 2000	69.1	71.1	73.8	75.5	77.6	78.4	79.6	81.7	82.1	83.0	83.7	83.9	84.7	84.8	85.3	85.7
GE 1800	69.1	71.1	73.8	75.5	77.6	78.4	79.6	81.7	82.1	83.0	83.7	83.9	84.7	84.8	85.3	85.7
GE 1500	70.0	72.0	75.0	76.7	78.8	79.6	80.8	83.0	83.3	84.3	85.3	85.6	86.5	86.6	87.1	87.6
GE 1200	71.8	74.2	77.9	79.6	81.7	82.5	84.0	86.1	86.5	87.6	88.6	88.8	89.7	89.9	90.4	90.9
GE 1000	72.4	74.9	78.6	80.4	82.5	83.3	84.9	87.3	87.6	88.7	89.7	90.0	91.1	91.3	91.9	92.3
GE 900	72.4	74.9	78.6	80.4	82.9	83.7	85.2	87.6	87.9	89.1	90.1	90.3	91.4	91.8	92.3	92.8
GE 800	73.3	75.8	79.5	81.4	84.0	85.0	86.6	89.0	89.3	90.6	91.7	91.9	93.0	93.3	93.9	94.4
GE 700	73.6	76.2	79.9	82.1	84.9	85.9	87.5	90.0	90.3	91.7	92.7	92.9	94.1	94.5	95.0	95.5
GE 600	74.0	76.6	80.5	82.6	85.8	86.8	88.4	90.9	91.2	92.6	93.6	93.8	95.0	95.4	95.9	96.4
GE 500	74.0	76.6	80.6	82.8	85.9	86.9	88.5	91.0	91.3	92.8	93.8	94.0	95.4	95.7	96.4	96.8
GE 400	74.0	76.6	80.6	82.8	85.9	86.9	88.7	91.3	91.7	93.5	94.5	94.7	96.2	96.5	97.3	97.7
GE 300	74.0	76.6	80.6	82.8	85.9	86.9	88.8	91.7	92.0	93.9	94.9	95.2	96.7	97.1	98.2	98.8
GE 200	74.0	76.6	80.6	82.8	85.9	86.9	88.8	91.9	92.6	94.7	95.7	95.9	97.6	98.0	99.1	99.7
GE 100	74.0	76.6	80.6	82.8	85.9	86.9	88.8	91.9	92.6	94.7	95.8	96.1	97.7	98.2	99.4	100.0
GE 000	74.0	76.6	80.6	82.8	85.9	86.9	88.8	91.9	92.6	94.7	95.8	96.1	97.7	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 887

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.9	61.9	63.2	63.9	64.9	65.3	65.9	66.2	66.4	66.5	67.0	67.0	67.7	67.7	67.8	68.2
GE 20000	62.8	63.9	65.1	65.8	66.8	67.3	68.0	68.4	68.5	68.6	69.2	69.2	69.9	69.9	70.0	70.4
GE 18000	63.1	64.1	65.3	66.0	67.0	67.5	68.2	68.8	68.9	69.0	69.6	69.6	70.2	70.2	70.4	70.7
GE 16000	63.4	64.4	65.7	66.4	67.4	67.8	68.5	69.1	69.2	69.3	69.9	69.9	70.6	70.6	70.7	71.0
GE 14000	63.4	64.4	65.7	66.4	67.4	67.8	68.5	69.1	69.2	69.3	69.9	69.9	70.6	70.6	70.7	71.0
GE 12000	64.1	65.1	66.4	67.0	68.1	68.5	69.2	69.8	69.9	70.0	70.6	70.6	71.4	71.4	71.5	71.8
GE 10000	65.8	66.8	68.2	68.9	69.9	70.4	71.0	71.6	71.7	71.8	72.4	72.4	73.2	73.2	73.3	73.7
GE 9000	66.8	67.8	69.2	69.9	70.9	71.4	72.1	72.6	72.7	72.9	73.4	73.4	74.2	74.2	74.3	74.7
GE 8000	69.0	70.0	71.4	72.1	73.1	73.5	74.2	74.9	75.0	75.1	75.7	75.7	76.5	76.5	76.7	77.1
GE 7000	70.4	71.4	72.9	73.5	74.7	75.1	75.9	76.9	77.0	77.1	77.7	77.7	78.4	78.4	78.7	79.0
GE 6000	70.7	71.7	73.2	73.9	75.0	75.5	76.3	77.2	77.3	77.4	78.0	78.0	78.8	78.8	79.0	79.4
GE 5000	71.5	72.5	74.0	74.7	75.8	76.3	77.1	78.0	78.1	78.2	78.8	78.8	79.6	79.6	79.9	80.3
GE 4500	71.8	72.9	74.3	75.0	76.2	76.6	77.4	78.3	78.4	78.6	79.1	79.1	79.9	79.9	80.3	80.6
GE 4000	72.1	73.2	74.7	75.5	76.6	77.1	78.0	79.1	79.2	79.5	80.0	80.0	81.1	81.1	81.4	81.8
GE 3500	72.1	73.2	74.7	75.5	77.0	77.7	78.6	79.7	79.8	80.0	80.6	80.6	81.6	81.9	82.3	82.7
GE 3000	72.1	73.3	74.9	75.7	77.4	78.1	79.0	80.3	80.4	80.6	81.2	81.2	82.3	82.7	83.1	83.5
GE 2500	72.3	73.5	75.1	76.3	78.1	78.8	79.8	81.1	81.2	81.4	82.2	82.2	83.4	83.7	84.2	84.5
GE 2000	72.7	74.2	76.1	77.4	79.4	80.0	81.2	82.6	82.7	82.9	83.7	83.7	84.8	85.2	85.6	86.0
GE 1800	72.7	74.2	76.1	77.4	79.4	80.0	81.2	82.7	82.8	83.0	83.8	83.8	84.9	85.3	85.7	86.1
GE 1500	73.3	74.9	77.0	78.4	80.6	81.3	82.6	84.2	84.3	84.8	85.7	85.7	86.9	87.2	87.7	88.0
GE 1200	74.6	76.3	78.4	79.9	82.2	82.9	84.3	85.9	86.0	86.9	87.8	87.8	88.9	89.3	89.7	90.1
GE 1000	75.0	77.0	79.7	81.3	83.8	84.5	85.9	87.5	87.6	88.5	89.5	89.5	90.6	91.0	91.7	92.0
GE 900	75.3	77.3	80.2	81.8	84.3	84.9	86.3	87.9	88.0	88.9	90.0	90.0	91.1	91.4	92.1	92.5
GE 800	76.3	78.4	81.3	83.0	85.9	86.7	88.4	90.0	90.1	91.0	92.0	92.0	93.2	93.5	94.2	94.5
GE 700	76.9	79.0	82.0	83.7	86.5	87.5	89.2	90.9	91.0	91.9	93.0	93.0	94.2	94.5	95.2	95.6
GE 600	77.4	79.6	83.0	84.7	87.6	88.5	90.2	91.9	92.0	92.9	94.1	94.1	95.2	95.6	96.2	96.6
GE 500	78.0	80.3	83.8	85.6	88.6	89.5	91.2	93.0	93.4	94.3	95.4	95.4	96.6	96.9	97.6	97.9
GE 400	78.0	80.3	84.2	86.3	89.3	90.3	92.4	94.4	94.8	95.9	97.0	97.0	98.2	98.5	99.2	99.5
GE 300	78.0	80.3	84.2	86.3	89.4	90.4	92.5	94.6	95.0	96.1	97.3	97.3	98.4	98.7	99.4	99.8
GE 200	78.0	80.3	84.2	86.3	89.4	90.4	92.6	94.9	95.2	96.4	97.5	97.5	98.6	99.0	99.7	100.0
GE 100	78.0	80.3	84.2	86.3	89.4	90.4	92.6	94.9	95.2	96.4	97.5	97.5	98.6	99.0	99.7	100.0
GE 000	78.0	80.3	84.2	86.3	89.4	90.4	92.6	94.9	95.2	96.4	97.5	97.5	98.6	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.9	62.6	63.6	64.3	65.5	65.9	66.4	66.8	66.8	67.2	67.2	67.2	67.9	67.9	68.0	68.9
GE 20000	63.4	64.1	65.3	66.0	67.2	67.6	68.3	68.6	68.6	69.1	69.1	69.1	69.7	69.7	69.9	70.8
GE 18000	63.5	64.2	65.4	66.1	67.3	67.7	68.4	68.7	68.7	69.2	69.2	69.2	69.9	69.9	70.0	70.9
GE 16000	63.5	64.2	65.4	66.1	67.3	67.7	68.4	68.7	68.7	69.2	69.2	69.2	69.9	69.9	70.0	70.9
GE 14000	63.7	64.4	65.6	66.3	67.6	67.9	68.6	68.9	68.9	69.4	69.4	69.4	70.1	70.1	70.2	71.1
GE 12000	65.0	65.6	66.9	67.6	68.9	69.3	70.0	70.3	70.3	70.8	70.8	70.8	71.4	71.4	71.6	72.5
GE 10000	66.9	67.6	68.8	69.5	70.9	71.3	72.0	72.4	72.4	72.8	72.8	72.8	73.5	73.5	73.6	74.5
GE 9000	67.3	68.0	69.3	70.0	71.3	71.8	72.5	72.8	72.8	73.3	73.3	73.3	73.9	73.9	74.1	75.0
GE 8000	68.8	69.6	70.9	71.8	73.2	73.6	74.3	74.6	74.6	75.1	75.1	75.1	75.8	75.8	75.9	76.8
GE 7000	70.4	71.2	72.6	73.5	74.9	75.3	76.0	76.3	76.3	76.8	76.8	76.8	77.5	77.5	77.6	78.5
GE 6000	70.5	71.3	72.7	73.6	75.0	75.4	76.1	76.5	76.5	76.9	76.9	76.9	77.6	77.6	77.7	78.6
GE 5000	70.8	71.6	72.9	73.8	75.2	75.7	76.3	76.7	76.7	77.1	77.1	77.1	77.8	77.8	77.9	78.8
GE 4500	70.9	71.7	73.0	73.9	75.3	75.8	76.5	76.8	76.8	77.2	77.2	77.2	77.9	77.9	78.0	79.0
GE 4000	71.2	72.0	73.4	74.3	75.7	76.3	77.0	77.7	77.7	78.2	78.2	78.2	78.8	78.8	79.0	79.9
GE 3500	71.8	72.6	73.9	74.9	76.2	76.9	77.6	78.3	78.3	78.7	78.7	78.7	79.4	79.4	79.5	80.4
GE 3000	72.1	72.9	74.5	75.7	77.2	77.9	78.6	79.4	79.4	79.9	79.9	79.9	80.7	81.0	81.2	82.3
GE 2500	72.5	73.3	75.0	76.1	77.7	78.5	79.7	80.5	80.5	81.0	81.0	81.0	81.8	82.1	82.4	83.4
GE 2000	73.3	74.2	76.5	77.9	80.0	80.8	82.0	82.8	82.8	83.3	83.3	83.3	84.1	84.4	84.6	85.7
GE 1800	73.3	74.2	76.5	77.9	80.0	80.8	82.0	82.9	83.0	83.6	83.6	83.6	84.4	84.8	85.0	86.0
GE 1500	74.1	75.0	77.2	79.1	81.5	82.3	83.6	84.5	84.6	85.3	85.3	85.3	86.3	86.7	87.0	88.2
GE 1200	75.2	76.1	78.4	80.2	82.6	83.4	84.8	85.7	85.8	86.6	86.6	86.6	87.7	88.1	88.5	89.6
GE 1000	76.1	77.1	80.2	82.0	84.5	85.3	86.7	87.6	87.7	88.5	88.5	88.5	89.6	90.0	90.7	91.8
GE 900	76.8	77.8	80.9	82.8	85.4	86.3	87.9	88.9	89.0	89.8	89.8	89.8	90.9	91.2	91.9	93.1
GE 800	77.2	78.4	81.5	83.6	86.5	87.9	89.6	90.6	90.7	91.5	91.5	91.5	92.6	92.9	93.6	94.8
GE 700	78.5	79.7	82.9	85.4	88.3	89.8	91.6	92.5	92.6	93.4	93.4	93.4	94.5	94.9	95.6	96.7
GE 600	79.2	80.4	83.6	86.1	89.0	90.4	92.3	93.2	93.3	94.1	94.1	94.1	95.2	95.6	96.2	97.4
GE 500	79.7	81.0	84.2	86.7	89.5	91.0	92.8	93.7	93.9	94.7	94.7	94.7	95.8	96.1	96.8	98.0
GE 400	80.0	81.7	85.0	88.1	91.0	92.5	94.4	95.3	95.4	96.4	96.5	96.5	97.6	98.0	98.6	99.8
GE 300	80.0	81.7	85.0	88.1	91.0	92.5	94.7	95.6	95.7	96.6	96.7	96.7	97.8	98.2	98.9	100.0
GE 200	80.0	81.7	85.0	88.1	91.0	92.5	94.7	95.6	95.7	96.6	96.7	96.7	97.8	98.2	98.9	100.0
GE 100	80.0	81.7	85.0	88.1	91.0	92.5	94.7	95.6	95.7	96.6	96.7	96.7	97.8	98.2	98.9	100.0
GE 000	80.0	81.7	85.0	88.1	91.0	92.5	94.7	95.6	95.7	96.6	96.7	96.7	97.8	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.0	59.2	60.4	61.2	62.0	62.0	62.5	62.8	63.0	63.2	63.2	63.2	63.7	63.7	63.9	64.4
GE 20000	60.8	61.0	62.5	63.2	64.1	64.1	64.5	64.9	65.0	65.3	65.3	65.3	65.7	65.7	66.0	66.5
GE 18000	61.2	61.4	62.8	63.6	64.4	64.4	64.9	65.3	65.4	65.6	65.6	65.6	66.2	66.2	66.5	66.9
GE 16000	61.3	61.5	63.0	63.7	64.5	64.5	65.0	65.4	65.5	65.7	65.7	65.7	66.3	66.3	66.6	67.1
GE 14000	61.3	61.5	63.0	63.7	64.5	64.5	65.0	65.4	65.5	65.7	65.7	65.7	66.3	66.3	66.6	67.1
GE 12000	62.1	62.4	63.8	64.5	65.5	65.5	66.0	66.3	66.5	66.7	66.8	66.8	67.4	67.4	67.7	68.2
GE 10000	64.4	64.7	66.1	66.8	67.8	67.8	68.3	68.8	68.9	69.1	69.2	69.2	70.1	70.1	70.4	70.9
GE 9000	65.0	65.3	66.7	67.4	68.4	68.4	68.9	69.4	69.5	69.7	69.8	69.8	70.7	70.7	71.0	71.5
GE 8000	65.9	66.1	67.7	68.4	69.4	69.5	70.2	70.7	70.8	71.0	71.2	71.2	72.0	72.0	72.4	72.9
GE 7000	67.9	68.2	69.7	70.4	71.4	71.5	72.4	72.9	73.0	73.2	73.3	73.3	74.3	74.3	74.7	75.2
GE 6000	68.5	68.8	70.3	71.0	72.0	72.1	73.0	73.5	73.6	73.8	73.9	73.9	74.9	74.9	75.3	75.8
GE 5000	68.8	69.0	70.7	71.4	72.4	72.5	73.3	73.8	73.9	74.2	74.3	74.3	75.3	75.3	75.6	76.1
GE 4500	68.9	69.1	71.0	71.8	72.7	72.9	73.7	74.2	74.3	74.5	74.7	74.7	75.6	75.6	76.0	76.5
GE 4000	69.7	70.1	72.0	73.1	74.1	74.3	75.4	76.2	76.4	76.6	76.7	76.7	77.7	77.7	78.3	78.8
GE 3500	70.6	70.9	72.9	73.9	74.9	75.2	76.2	77.1	77.2	77.4	77.6	77.6	78.5	78.5	79.1	79.6
GE 3000	71.0	71.4	73.5	74.9	75.9	76.1	77.2	78.0	78.2	78.4	78.5	78.5	79.6	79.7	80.6	81.1
GE 2500	71.2	71.5	73.6	75.0	76.1	76.4	77.9	78.8	78.9	79.4	79.5	79.5	80.6	80.7	81.5	82.0
GE 2000	71.9	72.4	74.9	76.7	78.5	78.8	80.9	81.8	81.9	82.5	82.6	82.6	83.7	83.8	84.7	85.2
GE 1800	72.0	72.6	75.3	77.2	79.0	79.3	81.4	82.4	82.5	83.1	83.2	83.2	84.3	84.4	85.3	85.8
GE 1500	73.2	73.8	77.0	78.9	81.2	81.5	83.7	84.7	84.8	85.4	85.5	85.5	86.9	87.0	87.9	88.4
GE 1200	74.9	75.5	78.6	80.8	83.1	83.5	85.6	86.6	86.7	87.3	87.5	87.5	88.8	88.9	90.2	90.7
GE 1000	75.9	76.5	79.6	81.9	84.2	84.6	86.7	87.7	87.8	88.4	88.5	88.5	89.9	90.0	91.3	91.8
GE 900	77.2	77.9	81.1	83.4	85.6	86.2	88.4	89.4	89.5	90.1	90.2	90.2	91.6	91.7	93.0	93.5
GE 800	77.6	78.3	81.4	83.8	86.2	87.0	89.4	90.6	90.7	91.4	91.6	91.6	93.0	93.1	94.5	94.9
GE 700	78.0	78.8	81.9	84.4	87.0	87.7	90.3	91.6	91.7	92.4	92.6	92.6	94.2	94.3	95.7	96.1
GE 600	79.3	80.0	83.1	85.6	88.4	89.1	91.8	93.1	93.2	94.0	94.2	94.2	95.8	95.9	97.2	97.7
GE 500	79.4	80.1	83.2	85.8	88.5	89.3	92.0	93.4	93.5	94.3	94.6	94.6	96.1	96.3	97.6	98.1
GE 400	79.7	80.8	84.1	86.6	89.5	90.2	93.2	94.6	94.7	95.7	95.9	95.9	97.6	97.7	99.0	99.5
GE 300	79.7	80.8	84.1	86.6	89.5	90.2	93.4	94.7	94.8	96.0	96.3	96.3	97.9	98.1	99.4	100.0
GE 200	79.7	80.8	84.1	86.6	89.5	90.2	93.4	94.7	94.8	96.0	96.3	96.3	97.9	98.1	99.4	100.0
GE 100	79.7	80.8	84.1	86.6	89.5	90.2	93.4	94.7	94.8	96.0	96.3	96.3	97.9	98.1	99.4	100.0
GE 000	79.7	80.8	84.1	86.6	89.5	90.2	93.4	94.7	94.8	96.0	96.3	96.3	97.9	98.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 829

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	55.7	57.3	57.9	58.9	59.4	59.9	60.2	60.2	60.4	60.5	60.5	60.9	61.0	61.9	62.4
GE 20000	57.6	57.9	59.5	60.1	61.2	61.7	62.2	62.6	62.6	62.7	62.9	62.9	63.2	63.4	64.2	64.7
GE 18000	58.5	58.8	60.4	61.0	62.1	62.6	63.1	63.5	63.5	63.6	63.7	63.7	64.1	64.2	65.1	65.6
GE 16000	58.5	58.8	60.4	61.0	62.1	62.6	63.1	63.5	63.5	63.6	63.7	63.7	64.1	64.2	65.1	65.6
GE 14000	58.5	58.8	60.4	61.0	62.1	62.6	63.1	63.7	63.7	63.9	64.0	64.0	64.3	64.5	65.3	65.8
GE 12000	59.0	59.3	60.9	61.5	62.6	63.1	63.6	64.2	64.2	64.3	64.5	64.5	64.8	65.0	65.8	66.3
GE 10000	61.6	61.9	63.5	64.1	65.2	65.7	66.2	67.0	67.0	67.1	67.5	67.5	67.8	68.0	68.8	69.3
GE 9000	62.5	62.7	64.3	65.0	66.1	66.6	67.1	67.8	67.8	68.0	68.3	68.3	68.7	68.8	69.7	70.2
GE 8000	63.6	63.9	65.5	66.1	67.2	67.7	68.2	68.9	68.9	69.1	69.4	69.4	69.8	69.9	70.8	71.3
GE 7000	64.7	65.1	67.1	67.7	68.9	69.4	69.9	70.7	70.7	70.8	71.2	71.2	71.7	71.8	72.7	73.2
GE 6000	65.2	65.8	67.8	68.4	69.7	70.2	70.7	71.4	71.4	71.6	71.9	71.9	72.4	72.5	73.4	73.9
GE 5000	65.6	66.2	68.2	68.8	70.1	70.6	71.1	71.8	71.8	71.9	72.3	72.3	72.8	72.9	73.8	74.3
GE 4500	65.8	66.5	68.4	69.1	70.3	70.8	71.3	72.0	72.0	72.2	72.5	72.5	73.0	73.2	74.0	74.5
GE 4000	67.0	67.6	69.7	70.3	71.7	72.4	72.9	74.0	74.0	74.2	74.5	74.5	75.0	75.2	76.0	76.5
GE 3500	67.7	68.3	70.6	71.2	72.5	73.3	73.8	74.9	74.9	75.0	75.4	75.4	75.9	76.0	76.9	77.4
GE 3000	68.3	68.9	71.4	72.3	73.8	74.5	75.0	76.5	76.5	76.6	77.0	77.0	77.5	77.6	78.8	79.3
GE 2500	68.9	69.6	72.3	73.2	75.0	75.8	76.4	77.9	77.9	78.0	78.4	78.4	78.9	79.0	80.1	80.6
GE 2000	69.7	70.4	73.4	74.5	76.6	77.5	78.6	80.1	80.1	80.4	80.7	80.7	81.5	81.6	82.7	83.2
GE 1800	70.1	70.8	73.9	75.0	77.1	78.0	79.1	80.6	80.6	80.9	81.2	81.2	82.0	82.1	83.2	83.7
GE 1500	71.9	72.7	76.1	77.4	79.8	81.2	82.4	83.9	84.1	84.3	84.7	84.7	85.5	85.6	87.1	87.6
GE 1200	73.4	74.2	77.6	79.0	81.6	83.1	84.2	85.7	86.0	86.2	86.6	86.6	87.3	87.5	89.3	89.8
GE 1000	74.8	75.5	79.1	80.5	83.2	84.7	85.8	87.3	87.6	87.8	88.2	88.2	88.9	89.1	90.9	91.4
GE 900	75.2	75.9	79.6	81.1	83.9	85.6	86.7	88.2	88.4	88.7	89.1	89.1	89.8	89.9	91.8	92.3
GE 800	76.0	76.8	80.5	82.0	85.1	87.0	88.1	89.7	89.9	90.4	90.8	90.8	91.8	91.9	93.8	94.3
GE 700	76.4	77.1	80.9	82.6	85.7	87.6	88.7	90.3	90.6	91.1	91.6	91.6	92.5	92.7	94.5	95.0
GE 600	77.9	78.6	82.4	84.1	87.3	89.2	90.3	92.0	92.3	92.9	93.4	93.4	94.4	94.5	96.4	96.9
GE 500	77.9	79.0	82.7	84.5	87.7	89.6	90.7	92.4	92.7	93.7	94.2	94.2	95.2	95.3	97.1	97.6
GE 400	77.9	79.0	82.7	84.8	88.3	90.2	91.3	93.3	93.5	94.9	95.4	95.4	96.4	96.5	98.4	98.9
GE 300	77.9	79.0	82.7	84.8	88.3	90.2	91.3	93.5	93.8	95.7	96.1	96.1	97.1	97.3	99.5	100.0
GE 200	77.9	79.0	82.7	84.8	88.3	90.2	91.3	93.5	93.8	95.7	96.1	96.1	97.1	97.3	99.5	100.0
GE 100	77.9	79.0	82.7	84.8	88.3	90.2	91.3	93.5	93.8	95.7	96.1	96.1	97.1	97.3	99.5	100.0
GE 000	77.9	79.0	82.7	84.8	88.3	90.2	91.3	93.5	93.8	95.7	96.1	96.1	97.1	97.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 805



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.6	57.4	58.9	59.7	60.6	60.9	61.5	61.9	62.0	62.3	62.7	62.7	63.1	63.2	63.5	63.9
GE 20000	58.3	59.1	60.7	61.5	62.4	62.7	63.3	63.8	63.9	64.2	64.6	64.7	65.1	65.1	65.4	65.8
GE 18000	58.7	59.5	61.2	61.9	62.9	63.1	63.8	64.3	64.4	64.8	65.1	65.2	65.6	65.7	66.0	66.4
GE 16000	59.0	59.8	61.5	62.2	63.2	63.5	64.1	64.6	64.7	65.1	65.4	65.5	65.9	66.0	66.3	66.7
GE 14000	59.1	59.9	61.6	62.3	63.3	63.6	64.2	64.8	64.9	65.3	65.7	65.7	66.1	66.2	66.5	66.9
GE 12000	60.0	60.8	62.5	63.2	64.2	64.5	65.1	65.7	65.8	66.2	66.6	66.6	67.0	67.1	67.4	67.8
GE 10000	62.2	63.1	64.9	65.6	66.7	67.0	67.7	68.4	68.5	68.9	69.3	69.3	69.8	69.9	70.2	70.6
GE 9000	63.0	63.8	65.6	66.3	67.4	67.8	68.4	69.2	69.3	69.6	70.1	70.1	70.6	70.7	71.0	71.4
GE 8000	64.7	65.6	67.4	68.2	69.3	69.6	70.3	71.1	71.2	71.5	72.0	72.0	72.5	72.6	73.0	73.4
GE 7000	66.1	67.1	69.0	69.8	71.0	71.4	72.1	73.0	73.1	73.4	73.9	73.9	74.4	74.5	74.9	75.3
GE 6000	66.5	67.6	69.5	70.3	71.4	71.8	72.5	73.4	73.5	73.9	74.3	74.3	74.9	75.0	75.3	75.7
GE 5000	67.3	68.4	70.3	71.2	72.3	72.7	73.4	74.3	74.4	74.8	75.3	75.3	75.9	75.9	76.3	76.7
GE 4500	67.6	68.6	70.6	71.5	72.6	73.0	73.7	74.6	74.8	75.1	75.6	75.6	76.2	76.2	76.6	77.0
GE 4000	68.2	69.4	71.4	72.4	73.6	74.1	75.0	76.2	76.3	76.7	77.2	77.2	77.8	77.9	78.3	78.7
GE 3500	68.6	69.8	71.9	73.0	74.3	74.9	75.8	77.0	77.1	77.6	78.1	78.1	78.8	78.9	79.4	79.8
GE 3000	68.9	70.1	72.4	73.6	75.1	75.6	76.6	77.9	78.0	78.4	79.0	79.0	79.7	80.0	80.5	80.9
GE 2500	69.4	70.7	73.2	74.5	76.1	76.8	78.0	79.3	79.4	79.9	80.4	80.5	81.2	81.4	82.0	82.4
GE 2000	70.2	71.6	74.4	75.9	77.8	78.5	80.0	81.5	81.6	82.1	82.7	82.7	83.5	83.7	84.2	84.7
GE 1800	70.3	71.7	74.5	76.0	78.0	78.7	80.1	81.7	81.8	82.4	82.9	83.0	83.7	83.9	84.5	84.9
GE 1500	71.4	72.9	75.9	77.5	79.8	80.7	82.2	83.8	84.0	84.7	85.3	85.4	86.2	86.5	87.2	87.6
GE 1200	72.9	74.4	77.8	79.6	82.0	82.8	84.5	86.1	86.3	87.1	87.8	87.8	88.7	88.9	89.8	90.2
GE 1000	73.7	75.3	79.0	80.8	83.5	84.3	86.0	87.8	88.0	88.8	89.5	89.6	90.5	90.7	91.6	92.1
GE 900	74.2	75.9	79.6	81.5	84.3	85.1	86.9	88.7	88.9	89.7	90.4	90.5	91.4	91.7	92.5	93.0
GE 800	74.8	76.5	80.4	82.3	85.3	86.3	88.2	90.1	90.3	91.2	91.9	92.0	93.0	93.2	94.1	94.6
GE 700	75.4	77.2	81.1	83.2	86.3	87.3	89.2	91.2	91.4	92.2	93.1	93.1	94.2	94.4	95.3	95.8
GE 600	76.0	77.9	81.8	83.9	87.1	88.1	90.0	92.0	92.3	93.1	94.0	94.0	95.1	95.3	96.2	96.7
GE 500	76.3	78.2	82.2	84.3	87.5	88.5	90.4	92.5	92.7	93.8	94.7	94.7	95.8	96.0	96.9	97.4
GE 400	76.4	78.4	82.5	84.8	88.1	89.1	91.2	93.4	93.6	94.9	95.8	95.9	97.0	97.2	98.2	98.7
GE 300	76.4	78.4	82.5	84.8	88.1	89.2	91.4	93.7	94.0	95.3	96.3	96.4	97.5	97.8	98.8	99.4
GE 200	76.4	78.4	82.5	84.8	88.1	89.2	91.4	93.8	94.1	95.5	96.5	96.6	97.8	98.1	99.1	99.8
GE 100	76.4	78.4	82.5	84.8	88.1	89.2	91.4	93.8	94.1	95.5	96.6	96.6	97.8	98.2	99.3	100.0
GE 000	76.4	78.4	82.5	84.8	88.1	89.2	91.4	93.8	94.1	95.5	96.6	96.6	97.8	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6903

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.0	26.2	26.4	26.6	27.3	27.7	28.1	28.2	28.3	28.8	29.1	29.1	29.7	29.7	30.0	30.0
GE 20000	27.2	27.4	27.7	27.8	28.6	28.9	29.3	29.6	29.7	30.1	30.4	30.4	31.0	31.0	31.6	31.6
GE 18000	27.3	27.6	27.8	27.9	28.7	29.0	29.4	29.7	29.8	30.2	30.6	30.6	31.2	31.2	31.8	31.8
GE 16000	27.4	27.7	27.9	28.0	28.8	29.1	29.6	29.8	29.9	30.3	30.7	30.7	31.3	31.3	31.9	31.9
GE 14000	27.8	28.0	28.2	28.3	29.1	29.4	29.9	30.1	30.2	30.7	31.0	31.0	31.7	31.7	32.2	32.2
GE 12000	28.7	28.9	29.1	29.2	30.0	30.3	30.9	31.1	31.2	31.7	32.1	32.1	32.8	32.8	33.3	33.3
GE 10000	30.4	30.7	30.9	31.0	31.9	32.2	32.8	33.0	33.1	33.6	34.0	34.0	34.7	34.7	35.2	35.2
GE 9000	30.9	31.1	31.3	31.4	32.3	32.7	33.2	33.4	33.6	34.0	34.4	34.4	35.1	35.1	35.7	35.8
GE 8000	33.7	33.9	34.1	34.2	35.2	35.6	36.1	36.3	36.4	36.9	37.3	37.3	38.0	38.0	38.6	38.7
GE 7000	34.7	34.9	35.1	35.2	36.2	36.6	37.1	37.3	37.4	37.9	38.4	38.4	39.1	39.1	39.7	39.8
GE 6000	34.7	34.9	35.1	35.2	36.2	36.6	37.1	37.3	37.4	37.9	38.4	38.4	39.1	39.1	39.7	39.8
GE 5000	35.3	35.6	35.8	35.9	36.9	37.2	37.8	38.0	38.1	38.6	39.1	39.1	39.8	39.8	40.3	40.4
GE 4500	35.8	36.0	36.2	36.3	37.3	37.7	38.2	38.4	38.6	39.0	39.6	39.6	40.2	40.2	40.8	40.9
GE 4000	36.0	36.2	36.4	36.6	37.7	38.0	38.6	38.8	38.9	39.3	39.9	39.9	40.6	40.6	41.1	41.2
GE 3500	36.1	36.3	36.6	36.7	37.8	38.1	38.7	38.9	39.0	39.4	40.0	40.0	40.7	40.7	41.2	41.3
GE 3000	36.6	36.8	37.0	37.1	38.3	38.7	39.2	39.4	39.6	40.0	40.6	40.6	41.2	41.2	41.8	41.9
GE 2500	37.4	37.8	38.0	38.1	39.3	39.7	40.3	40.9	41.0	41.4	42.0	42.0	42.7	42.7	43.2	43.3
GE 2000	38.8	39.2	39.8	39.9	41.1	41.4	42.1	42.7	42.8	43.2	43.8	43.8	44.4	44.4	45.0	45.1
GE 1800	39.7	40.1	40.7	40.8	42.1	42.4	43.1	43.7	43.8	44.2	44.8	44.8	45.4	45.4	46.0	46.1
GE 1500	42.3	42.9	43.6	43.9	45.3	45.7	46.3	47.1	47.2	47.7	48.4	48.4	49.2	49.2	49.8	49.9
GE 1200	45.4	46.1	47.1	47.9	49.3	49.8	50.4	51.2	51.3	51.9	52.7	52.7	53.4	53.4	54.0	54.1
GE 1000	51.2	52.0	53.3	54.3	56.9	57.3	58.0	58.8	58.9	59.4	60.2	60.2	61.0	61.0	61.6	61.7
GE 900	51.7	52.4	53.8	54.9	57.4	57.9	58.9	59.7	59.8	60.3	61.1	61.1	61.9	61.9	62.6	62.7
GE 800	54.8	56.1	57.8	59.2	62.0	62.7	63.9	64.8	65.1	65.8	66.6	66.6	67.3	67.3	68.0	68.1
GE 700	56.7	58.2	60.3	62.2	65.3	66.0	67.2	68.1	68.4	69.1	70.2	70.2	71.0	71.0	71.7	71.8
GE 600	60.7	62.8	65.4	67.8	71.7	72.3	74.3	75.3	75.9	76.7	77.9	77.9	78.7	78.7	79.3	79.4
GE 500	62.9	65.2	68.0	70.6	74.8	75.4	78.3	79.3	79.9	81.1	82.6	82.6	83.6	83.6	84.3	84.4
GE 400	63.8	66.3	69.8	72.6	76.9	77.8	80.7	82.4	83.3	85.3	87.1	87.1	88.1	88.1	88.9	89.0
GE 300	64.1	66.7	70.2	73.4	78.1	79.0	81.9	84.4	85.3	87.9	90.4	90.4	91.4	91.6	93.0	93.2
GE 200	64.2	66.8	70.3	73.6	78.2	79.1	82.3	85.0	86.1	89.3	92.3	92.3	93.8	93.9	95.7	96.2
GE 100	64.2	66.8	70.3	73.6	78.2	79.1	82.3	85.1	86.2	89.4	92.6	92.6	94.3	94.6	97.4	99.4
GE 000	64.2	66.8	70.3	73.6	78.2	79.1	82.3	85.1	86.2	89.4	92.6	92.6	94.3	94.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 37

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.6	23.9	24.6	24.7	25.4	25.6	25.6	25.6	25.7	26.7	27.7	27.7	28.2	28.4	28.9	29.7
GE 20000	24.5	24.8	25.5	25.6	26.2	26.5	26.5	26.5	26.6	27.6	28.6	28.6	29.1	29.3	29.8	30.5
GE 18000	24.5	24.8	25.5	25.6	26.2	26.5	26.5	26.5	26.6	27.6	28.6	28.6	29.1	29.3	29.8	30.5
GE 16000	24.7	25.0	25.7	25.8	26.5	26.7	26.7	26.9	27.0	28.0	29.0	29.0	29.5	29.8	30.2	31.0
GE 14000	25.1	25.5	26.1	26.2	26.9	27.1	27.1	27.3	27.5	28.4	29.4	29.4	30.0	30.2	30.7	31.4
GE 12000	25.1	25.5	26.1	26.2	26.9	27.1	27.1	27.3	27.5	28.4	29.4	29.4	30.0	30.2	30.7	31.4
GE 10000	26.2	26.6	27.2	27.3	28.0	28.2	28.2	28.4	28.6	29.5	30.5	30.5	31.1	31.3	31.8	32.5
GE 9000	27.3	27.7	28.3	28.4	29.3	29.5	29.5	29.8	29.9	30.9	32.0	32.0	32.5	32.7	33.2	34.0
GE 8000	28.6	28.9	29.5	29.7	30.5	30.8	30.8	31.0	31.1	32.1	33.2	33.2	33.7	34.0	34.4	35.2
GE 7000	30.3	30.7	31.8	32.0	32.9	33.1	33.1	33.3	33.4	34.4	35.5	35.5	36.1	36.3	36.7	37.5
GE 6000	30.4	30.8	31.9	32.1	33.0	33.2	33.2	33.4	33.5	34.5	35.6	35.6	36.2	36.4	36.8	37.6
GE 5000	30.7	31.0	32.1	32.5	33.4	33.6	33.6	34.0	34.1	35.1	36.2	36.2	36.7	36.9	37.4	38.1
GE 4500	31.0	31.3	32.4	32.9	33.7	34.0	34.0	34.3	34.4	35.4	36.5	36.5	37.0	37.3	37.7	38.5
GE 4000	31.3	31.6	32.7	33.2	34.1	34.3	34.3	34.6	34.7	35.7	36.8	36.8	37.4	37.6	38.0	38.8
GE 3500	32.3	32.7	34.0	34.4	35.5	35.7	35.7	36.1	36.2	37.2	38.3	38.3	38.8	39.0	39.5	40.2
GE 3000	32.7	33.2	34.5	35.1	36.3	36.8	36.8	37.2	37.4	38.5	39.6	39.6	40.1	40.4	40.8	41.6
GE 2500	33.6	34.2	35.6	36.2	37.5	38.0	38.4	38.7	38.9	40.1	41.2	41.2	41.8	42.0	42.4	43.2
GE 2000	36.2	36.9	38.4	38.9	40.2	40.8	41.3	41.8	42.0	43.3	44.4	44.4	45.0	45.2	45.6	46.4
GE 1800	36.7	37.5	38.9	39.5	41.0	41.6	42.1	42.6	42.8	44.2	45.3	45.3	45.9	46.1	46.5	47.3
GE 1500	38.1	39.1	40.7	41.5	43.3	43.9	44.4	44.9	45.1	46.6	47.7	47.7	48.3	48.5	49.0	49.9
GE 1200	40.7	42.1	43.7	44.4	46.5	47.1	47.9	48.4	48.6	50.2	51.3	51.3	51.8	52.0	52.5	53.6
GE 1000	46.2	48.1	49.8	51.5	54.1	54.7	55.5	56.0	56.2	57.9	59.1	59.1	59.8	60.0	60.6	61.7
GE 900	47.3	49.3	51.2	53.0	55.8	56.3	57.1	57.7	57.9	59.6	61.1	61.1	61.7	62.0	62.6	63.7
GE 800	50.1	52.1	54.2	56.1	59.4	60.2	61.3	61.9	62.1	63.8	65.3	65.3	65.9	66.2	66.8	67.9
GE 700	52.5	54.8	57.1	59.4	63.1	63.8	64.9	65.6	65.9	67.8	69.6	69.6	70.2	70.5	71.1	72.2
GE 600	56.2	58.8	61.5	64.5	68.7	69.7	71.0	71.7	72.2	74.3	76.3	76.3	77.2	77.4	78.1	79.2
GE 500	58.8	61.9	65.3	68.6	73.1	74.3	76.0	76.6	77.3	79.8	81.9	81.9	83.0	83.2	84.0	85.2
GE 400	59.8	63.1	66.7	70.3	75.4	76.6	78.6	80.2	81.1	84.7	87.0	87.0	88.8	89.0	89.7	91.0
GE 300	59.8	63.1	66.7	70.5	76.0	77.2	79.2	81.4	82.4	86.0	88.8	88.9	91.1	91.3	92.8	94.0
GE 200	59.8	63.1	66.7	70.5	76.0	77.2	79.4	81.6	82.8	86.9	89.7	89.9	92.8	93.1	95.1	96.7
GE 100	59.8	63.1	66.8	70.6	76.1	77.3	79.5	81.7	82.9	87.0	90.1	90.2	93.5	93.8	96.4	99.3
GE 000	59.8	63.1	66.8	70.6	76.1	77.3	79.5	81.7	82.9	87.0	90.2	90.3	93.6	93.9	96.7	100.0

TOTAL NUMER OF OBSERVATIONS 907

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.9	25.3	25.8	26.4	27.3	27.4	28.0	28.4	28.6	29.0	29.3	29.3	29.7	29.7	30.0	30.2
GE 20000	25.8	26.2	26.7	27.3	28.3	28.4	29.0	29.4	29.6	30.0	30.3	30.3	30.7	30.7	31.0	31.2
GE 18000	26.1	26.4	26.9	27.5	28.5	28.6	29.2	29.6	29.8	30.2	30.5	30.5	31.0	31.0	31.2	31.4
GE 16000	26.2	26.5	27.1	27.6	28.6	28.7	29.3	29.7	30.0	30.3	30.6	30.6	31.1	31.1	31.3	31.5
GE 14000	26.3	26.6	27.2	27.7	27.7	28.8	29.4	29.8	30.1	30.4	30.7	30.7	31.2	31.2	31.4	31.6
GE 12000	26.9	27.3	27.8	28.4	29.4	29.5	30.1	30.5	30.7	31.1	31.4	31.4	31.8	31.8	32.1	32.3
GE 10000	28.1	28.4	29.0	29.6	30.7	30.8	31.4	31.8	32.1	32.4	32.7	32.7	33.2	33.2	33.4	33.6
GE 9000	29.3	29.6	30.2	31.0	32.1	32.3	32.9	33.4	33.6	34.0	34.3	34.3	34.7	34.7	35.0	35.2
GE 8000	30.7	31.1	31.6	32.4	33.5	33.7	34.3	34.9	35.1	35.4	35.7	35.7	36.2	36.2	36.4	36.6
GE 7000	32.3	32.7	33.5	34.4	35.5	35.7	36.3	36.9	37.1	37.4	37.9	37.9	38.4	38.4	38.6	38.9
GE 6000	32.5	33.0	33.7	34.6	35.7	36.0	36.5	37.1	37.3	37.6	38.1	38.1	38.6	38.6	38.9	39.1
GE 5000	32.9	33.3	34.1	35.0	36.1	36.3	36.9	37.4	37.6	38.0	38.4	38.4	39.0	39.0	39.2	39.4
GE 4500	33.0	33.4	34.2	35.1	36.2	36.4	37.0	37.5	37.8	38.1	38.5	38.5	39.1	39.1	39.3	39.5
GE 4000	33.6	34.1	34.9	35.7	37.0	37.2	37.8	38.3	38.5	38.9	39.3	39.3	39.9	39.9	40.1	40.3
GE 3500	34.5	35.0	35.9	36.7	38.1	38.3	38.9	39.4	39.6	40.0	40.4	40.4	41.0	41.0	41.2	41.4
GE 3000	35.2	35.6	36.5	37.4	39.1	39.4	40.0	40.5	40.8	41.1	41.5	41.5	42.1	42.1	42.3	42.5
GE 2500	36.7	37.2	38.4	39.4	41.1	41.4	42.2	42.8	43.0	43.3	43.8	43.8	44.3	44.3	44.5	44.8
GE 2000	39.0	39.9	41.2	42.2	44.1	44.4	45.2	45.8	46.0	46.3	46.8	46.8	47.3	47.3	47.6	47.8
GE 1800	39.2	40.2	41.5	42.5	44.4	44.8	45.5	46.1	46.7	47.0	47.4	47.4	48.0	48.0	48.2	48.4
GE 1500	41.6	43.0	44.7	45.7	47.8	48.2	49.3	49.9	50.4	50.8	51.2	51.2	51.8	51.8	52.0	52.3
GE 1200	43.7	45.0	46.8	47.8	50.1	50.6	51.7	52.3	53.0	53.3	53.8	53.8	54.3	54.3	54.6	54.9
GE 1000	49.6	51.1	53.5	54.8	57.8	58.2	59.5	60.2	60.9	61.4	62.0	62.0	62.6	62.6	62.9	63.3
GE 900	50.1	51.7	54.1	55.6	58.8	59.4	60.6	61.4	62.0	62.5	63.1	63.1	63.7	63.7	64.0	64.4
GE 800	52.6	54.3	56.9	58.6	62.1	62.9	64.6	65.4	66.0	66.5	67.1	67.1	67.7	67.7	68.0	68.4
GE 700	54.8	56.8	59.6	61.6	65.7	66.7	68.4	69.3	69.9	70.5	71.3	71.3	71.8	71.9	72.3	72.6
GE 600	57.6	59.9	62.9	65.3	70.0	71.4	74.1	75.2	75.9	76.9	77.7	77.7	78.3	78.4	78.7	79.1
GE 500	59.5	62.2	65.6	68.0	73.7	75.1	78.2	79.5	80.3	81.4	82.7	82.9	83.6	83.7	84.4	84.9
GE 400	61.1	64.0	67.7	70.6	76.7	78.1	81.4	83.4	84.3	85.4	87.6	87.8	89.1	89.2	89.9	90.3
GE 300	61.2	64.1	67.8	70.8	77.1	78.4	82.0	84.7	85.7	87.3	90.5	90.6	92.4	92.7	94.0	94.4
GE 200	61.2	64.1	67.8	70.8	77.1	78.4	82.0	84.9	85.9	87.5	91.5	91.6	94.0	94.2	96.0	96.8
GE 100	61.2	64.1	67.8	70.8	77.1	78.4	82.1	85.0	86.0	87.9	92.0	92.1	94.4	94.7	97.2	99.3
GE 000	61.2	64.1	67.8	70.8	77.1	78.4	82.1	85.0	86.0	87.9	92.1	92.2	94.7	94.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.9	29.5	29.9	30.4	31.2	31.3	32.0	32.3	32.5	32.8	33.4	33.4	33.7	33.7	33.9	34.0
GE 20000	30.5	31.0	31.5	31.9	32.7	32.8	33.6	33.8	34.0	34.4	35.0	35.0	35.4	35.4	35.6	35.7
GE 18000	30.7	31.3	31.7	32.2	32.9	33.0	33.8	34.0	34.3	34.6	35.3	35.3	35.6	35.6	35.8	35.9
GE 16000	31.4	31.9	32.4	32.8	33.6	33.7	34.5	34.7	34.9	35.3	35.9	35.9	36.3	36.3	36.5	36.6
GE 14000	31.4	31.9	32.4	32.8	33.6	33.7	34.5	34.7	34.9	35.3	35.9	35.9	36.3	36.3	36.5	36.6
GE 12000	31.5	32.0	32.5	32.9	33.7	33.8	34.6	34.8	35.0	35.4	36.0	36.0	36.4	36.4	36.6	36.7
GE 10000	32.7	33.3	33.7	34.1	35.0	35.1	35.9	36.3	36.5	36.8	37.5	37.5	37.8	37.8	38.0	38.1
GE 9000	33.4	33.9	34.4	34.8	35.7	35.8	36.6	36.9	37.1	37.5	38.1	38.1	38.5	38.5	38.7	38.8
GE 8000	35.3	35.8	36.3	36.7	37.6	37.7	38.5	38.8	39.0	39.4	40.0	40.0	40.4	40.4	40.6	40.7
GE 7000	37.3	37.8	38.2	38.7	39.6	39.7	40.5	40.8	41.0	41.4	42.0	42.0	42.4	42.4	42.6	42.7
GE 6000	37.5	38.0	38.5	38.9	39.8	39.9	40.7	41.0	41.2	41.6	42.2	42.2	42.6	42.6	42.8	42.9
GE 5000	38.4	39.0	39.5	39.9	40.8	40.9	41.8	42.1	42.5	42.8	43.5	43.5	43.8	43.8	44.0	44.1
GE 4500	38.5	39.1	39.6	40.0	40.9	41.0	41.9	42.2	42.6	42.9	43.6	43.6	43.9	43.9	44.1	44.2
GE 4000	38.8	39.5	39.9	40.4	41.2	41.4	42.2	42.6	42.9	43.2	43.9	43.9	44.2	44.2	44.5	44.6
GE 3500	39.5	40.1	40.6	41.0	41.9	42.0	42.9	43.2	43.6	43.9	44.6	44.6	44.9	44.9	45.1	45.2
GE 3000	40.9	41.6	42.0	42.6	43.7	43.8	44.7	45.0	45.3	45.7	46.3	46.3	46.7	46.7	46.9	47.0
GE 2500	41.8	42.5	43.0	43.7	44.9	45.0	45.9	46.3	46.9	47.3	48.0	48.0	48.3	48.3	48.6	48.7
GE 2000	44.1	45.0	45.6	46.2	47.6	47.7	48.6	49.3	49.9	50.3	51.0	51.0	51.3	51.3	51.6	51.7
GE 1800	45.0	46.0	46.6	47.2	48.6	48.7	49.6	50.3	50.9	51.3	52.0	52.0	52.3	52.3	52.5	52.7
GE 1500	47.0	48.3	49.7	50.3	52.0	52.1	53.3	54.1	54.7	55.1	55.8	55.8	56.1	56.1	56.3	56.4
GE 1200	50.0	51.6	53.0	53.8	55.4	55.7	56.9	57.9	58.4	58.9	59.5	59.5	59.9	59.9	60.1	60.2
GE 1000	54.4	56.1	58.3	59.1	61.2	61.4	63.1	64.3	64.9	65.3	66.0	66.0	66.3	66.3	66.5	66.6
GE 900	54.8	56.7	59.0	59.8	62.1	62.4	64.1	65.3	65.9	66.3	67.0	67.0	67.3	67.3	67.5	67.6
GE 800	57.5	59.4	61.8	63.1	65.5	65.9	67.5	68.7	69.3	70.0	70.6	70.6	71.0	71.0	71.2	71.3
GE 700	60.3	62.2	64.6	66.1	69.0	69.3	71.3	72.5	73.1	73.9	74.6	74.6	75.1	75.1	75.4	75.5
GE 600	62.6	64.6	67.5	70.0	73.3	74.1	76.5	78.0	78.6	79.6	80.5	80.7	81.2	81.2	81.5	81.6
GE 500	64.6	67.5	70.8	73.8	77.9	78.8	81.8	84.0	84.7	86.0	87.1	87.4	88.0	88.0	88.5	88.7
GE 400	66.2	69.2	72.5	76.1	80.8	81.8	85.0	87.6	88.2	89.9	91.1	91.4	92.1	92.1	92.6	92.8
GE 300	66.2	69.2	72.6	76.7	82.4	83.6	87.3	89.9	90.7	92.8	94.6	94.9	96.3	96.3	97.1	97.3
GE 200	66.2	69.2	72.6	76.8	82.7	83.9	87.6	90.4	91.2	93.5	95.8	96.1	97.8	97.9	99.0	99.2
GE 100	66.2	69.2	72.6	76.8	82.7	83.9	87.6	90.4	91.2	93.5	95.9	96.2	97.9	98.0	99.4	99.8
GE 000	66.2	69.2	72.6	76.8	82.7	83.9	87.6	90.4	91.2	93.5	95.9	96.2	98.0	98.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 902

D - 2 - 40

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.8	35.2	35.3	35.4	36.5	36.9	36.9	37.2	37.3	37.8	37.9	37.9	38.0	38.0	38.0	38.0
GE 20000	36.1	36.4	36.5	36.6	37.8	38.2	38.2	38.7	38.8	39.2	39.3	39.3	39.5	39.5	39.5	39.5
GE 18000	36.4	36.8	36.9	37.0	38.1	38.6	38.6	39.0	39.1	39.6	39.7	39.7	39.8	39.8	39.8	39.8
GE 16000	36.9	37.2	37.3	37.4	38.6	39.0	39.0	39.5	39.6	40.0	40.1	40.1	40.2	40.2	40.2	40.2
GE 14000	36.9	37.2	37.3	37.4	38.6	39.0	39.0	39.5	39.6	40.0	40.1	40.1	40.2	40.2	40.2	40.2
GE 12000	37.2	37.5	37.7	37.8	38.9	39.3	39.3	39.8	39.9	40.4	40.5	40.5	40.6	40.6	40.6	40.6
GE 10000	38.3	38.7	38.8	39.0	40.4	40.8	40.9	41.4	41.5	41.9	42.1	42.1	42.2	42.2	42.2	42.2
GE 9000	39.3	39.7	39.8	40.0	41.4	41.8	41.9	42.4	42.5	43.0	43.1	43.1	43.2	43.2	43.2	43.2
GE 8000	40.7	41.0	41.3	41.5	42.8	43.3	43.4	43.9	44.0	44.4	44.5	44.5	44.6	44.6	44.6	44.6
GE 7000	42.4	42.7	43.0	43.2	44.5	45.0	45.1	45.5	45.7	46.1	46.2	46.2	46.3	46.3	46.3	46.3
GE 6000	42.8	43.2	43.4	43.6	45.0	45.4	45.5	46.0	46.1	46.6	46.7	46.7	46.8	46.8	46.8	46.8
GE 5000	44.3	44.6	44.9	45.1	46.4	46.9	47.0	47.5	47.6	48.0	48.1	48.1	48.3	48.3	48.3	48.3
GE 4500	44.4	44.8	45.0	45.2	46.6	47.0	47.1	47.6	47.7	48.1	48.3	48.3	48.4	48.4	48.4	48.4
GE 4000	45.5	45.9	46.1	46.3	47.7	48.1	48.3	48.7	48.8	49.3	49.4	49.4	49.5	49.5	49.5	49.5
GE 3500	46.2	46.6	46.8	47.0	48.4	49.0	49.2	49.6	49.7	50.2	50.3	50.3	50.4	50.4	50.4	50.4
GE 3000	48.0	48.4	48.6	48.8	50.2	50.8	51.0	51.4	51.5	52.0	52.1	52.1	52.2	52.2	52.2	52.2
GE 2500	48.3	48.6	48.9	49.2	50.6	51.3	51.4	52.2	52.3	52.8	52.9	52.9	53.0	53.0	53.0	53.0
GE 2000	49.7	50.2	50.5	50.8	52.3	53.0	53.1	53.9	54.0	54.5	54.6	54.6	54.7	54.7	54.7	54.7
GE 1800	50.6	51.1	51.5	51.9	53.4	54.1	54.2	55.1	55.2	55.7	55.8	55.8	55.9	55.9	55.9	55.9
GE 1500	52.8	53.6	54.1	54.5	56.3	56.9	57.2	58.1	58.2	58.9	59.0	59.0	59.1	59.1	59.1	59.1
GE 1200	55.9	57.0	57.9	58.4	60.3	61.0	61.2	62.1	62.2	62.9	63.0	63.0	63.1	63.1	63.1	63.1
GE 1000	59.5	60.8	62.1	62.6	65.2	66.2	66.4	67.3	67.4	68.1	68.2	68.2	68.3	68.3	68.3	68.3
GE 900	60.9	62.5	64.0	64.5	67.1	68.1	68.7	69.6	69.7	70.6	70.7	70.7	70.8	70.8	70.8	70.8
GE 800	63.5	65.1	66.7	67.5	70.5	71.6	72.2	73.1	73.2	74.3	74.4	74.4	74.5	74.5	74.5	74.5
GE 700	67.3	68.9	70.6	71.6	75.0	76.1	77.2	78.1	78.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7
GE 600	70.8	72.5	74.6	77.1	80.9	82.2	83.4	84.3	84.4	85.8	85.9	85.9	86.0	86.0	86.0	86.0
GE 500	75.1	77.1	79.6	82.3	86.8	88.5	90.1	91.1	91.2	92.6	92.7	92.7	93.0	93.0	93.0	93.0
GE 400	76.1	78.2	81.2	83.9	88.8	90.8	92.3	93.7	93.8	95.2	95.3	95.3	95.6	95.6	95.7	95.7
GE 300	76.4	78.7	81.8	84.9	90.2	92.1	93.8	95.4	95.5	97.0	97.5	97.5	98.3	98.3	98.4	98.4
GE 200	76.7	78.9	82.1	85.1	90.5	92.4	94.1	95.7	95.9	97.4	98.2	98.2	99.3	99.3	99.5	99.5
GE 100	76.7	78.9	82.1	85.1	90.5	92.4	94.1	95.7	95.9	97.4	98.2	98.2	99.3	99.3	99.8	100.0
GE 000	76.7	78.9	82.1	85.1	90.5	92.4	94.1	95.7	95.9	97.4	98.2	98.2	99.3	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 887

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.1	34.5	34.6	34.9	35.0	35.2	35.6	35.9	35.9	36.3	36.3	36.3	36.3	36.5	36.5	36.5
GE 20000	36.0	36.3	36.6	36.9	37.0	37.3	37.8	38.1	38.1	38.5	38.7	38.7	38.7	38.8	38.8	38.8
GE 18000	36.2	36.6	36.8	37.1	37.2	37.6	38.0	38.3	38.3	38.8	38.9	38.9	38.9	39.0	39.0	39.0
GE 16000	37.0	37.3	37.6	37.9	38.0	38.3	38.8	39.1	39.1	39.5	39.6	39.6	39.6	39.8	39.8	39.8
GE 14000	37.0	37.3	37.6	37.9	38.0	38.3	38.8	39.1	39.1	39.5	39.6	39.6	39.6	39.8	39.8	39.8
GE 12000	37.8	38.1	38.4	38.8	38.9	39.2	39.6	40.0	40.0	40.4	40.5	40.5	40.5	40.6	40.6	40.6
GE 10000	39.9	40.2	40.6	41.0	41.3	41.6	42.1	42.4	42.4	42.8	43.0	43.0	43.0	43.1	43.1	43.1
GE 9000	40.3	40.6	41.1	41.4	41.7	42.1	42.5	42.8	42.8	43.3	43.4	43.4	43.4	43.5	43.5	43.5
GE 8000	41.2	41.7	42.3	42.6	43.0	43.3	43.7	44.1	44.1	44.5	44.6	44.6	44.6	44.7	44.7	44.7
GE 7000	41.6	42.2	42.7	43.1	43.4	43.7	44.2	44.5	44.5	44.9	45.0	45.0	45.0	45.2	45.2	45.2
GE 6000	42.0	42.5	43.1	43.4	43.7	44.1	44.5	44.8	44.8	45.3	45.4	45.4	45.4	45.5	45.5	45.5
GE 5000	43.0	43.5	44.1	44.5	44.8	45.2	45.7	46.0	46.0	46.5	46.6	46.6	46.6	46.7	46.7	46.7
GE 4500	43.1	43.6	44.2	44.6	44.9	45.3	45.8	46.1	46.1	46.6	46.7	46.7	46.7	46.8	46.8	46.8
GE 4000	43.3	44.1	44.6	45.0	45.4	45.7	46.3	46.6	46.6	47.0	47.1	47.1	47.1	47.2	47.2	47.2
GE 3500	44.3	44.8	45.4	45.9	46.4	46.7	47.2	47.6	47.6	48.0	48.1	48.1	48.1	48.2	48.2	48.2
GE 3000	44.9	45.5	46.0	46.6	47.0	47.4	47.9	48.2	48.2	48.7	48.8	48.8	48.8	48.9	48.9	48.9
GE 2500	45.5	46.0	46.7	47.2	47.8	48.1	48.7	49.1	49.1	49.6	49.7	49.7	49.7	49.8	49.8	49.8
GE 2000	46.8	47.4	48.0	48.6	49.1	49.4	50.0	50.6	50.6	51.0	51.1	51.1	51.1	51.2	51.2	51.2
GE 1800	47.5	48.1	48.8	49.3	50.0	50.3	50.9	51.4	51.4	51.9	52.0	52.0	52.0	52.1	52.1	52.1
GE 1500	51.3	52.0	52.8	53.4	54.1	54.6	55.2	56.1	56.1	56.5	56.6	56.6	56.8	56.9	56.9	57.0
GE 1200	55.3	56.3	57.6	58.8	59.7	60.2	60.8	61.7	61.7	62.1	62.2	62.2	62.4	62.6	62.6	62.7
GE 1000	60.7	62.3	63.8	65.0	66.5	67.2	67.7	68.9	68.9	69.4	69.5	69.5	69.8	69.9	69.9	70.0
GE 900	63.2	65.3	67.0	68.2	69.7	70.4	70.9	72.1	72.1	72.6	72.7	72.7	73.0	73.1	73.1	73.2
GE 800	67.5	69.8	71.9	73.6	75.3	76.0	76.5	77.8	77.8	78.2	78.3	78.3	78.6	78.7	78.7	78.9
GE 700	71.4	73.8	76.3	78.0	80.0	80.6	81.5	82.7	82.7	83.1	83.3	83.3	83.6	83.7	83.7	83.8
GE 600	75.0	77.4	80.1	82.4	84.9	85.6	86.9	88.1	88.1	88.5	88.8	88.8	89.4	89.6	89.6	89.8
GE 500	77.2	79.6	82.6	85.2	88.2	89.3	90.6	92.1	92.1	92.5	92.7	92.7	93.4	93.6	93.6	93.7
GE 400	78.4	80.8	83.9	86.6	89.9	91.0	92.3	93.7	93.8	94.3	94.6	94.6	95.3	95.5	95.5	95.6
GE 300	79.4	81.9	85.2	88.3	91.7	92.8	94.3	95.9	96.0	96.6	97.0	97.0	97.7	97.9	97.9	98.0
GE 200	79.4	81.9	85.2	88.3	91.7	92.8	94.7	96.4	96.6	97.6	98.0	98.0	99.1	99.4	99.4	99.6
GE 100	79.4	81.9	85.2	88.3	91.7	92.8	94.7	96.4	96.7	97.7	98.1	98.1	99.2	99.7	99.9	100.0
GE 000	79.4	81.9	85.2	88.3	91.7	92.8	94.7	96.4	96.7	97.7	98.1	98.1	99.2	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 908

D - 2 - 42

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.1	32.1	32.3	32.3	32.3	32.3	32.5	33.0	33.0	33.0	33.0	33.0	33.1	33.1	33.1	33.1
GE 20000	34.3	34.3	34.4	34.4	34.6	34.6	34.8	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5
GE 18000	35.0	35.0	35.2	35.2	35.4	35.4	35.6	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.3
GE 16000	35.4	35.4	35.5	35.5	35.7	35.7	35.9	36.5	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.6
GE 14000	35.9	35.9	36.0	36.0	36.3	36.3	36.5	37.0	37.0	37.0	37.0	37.0	37.2	37.2	37.2	37.2
GE 12000	36.6	36.6	36.7	36.7	36.9	36.9	37.2	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8
GE 10000	38.7	38.7	38.8	38.8	39.0	39.0	39.4	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0
GE 9000	38.9	38.9	39.0	39.0	39.3	39.3	39.6	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3
GE 8000	40.5	40.5	40.6	40.7	40.9	40.9	41.3	41.8	41.8	41.8	41.8	41.8	41.9	41.9	41.9	41.9
GE 7000	41.3	41.3	41.4	41.5	41.7	41.7	42.0	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7
GE 6000	41.6	41.6	41.7	41.8	42.0	42.0	42.4	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.0	43.0
GE 5000	42.2	42.2	42.3	42.6	42.9	42.9	43.3	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
GE 4500	42.2	42.2	42.3	42.6	42.9	42.9	43.3	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
GE 4000	42.3	42.3	42.4	42.7	43.0	43.0	43.4	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0
GE 3500	43.3	43.3	43.4	43.7	44.0	44.0	44.4	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1
GE 3000	43.4	43.4	43.5	43.8	44.2	44.2	44.5	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2
GE 2500	43.9	44.0	44.3	44.6	44.9	44.9	45.3	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9
GE 2000	46.2	46.3	46.5	47.1	47.4	47.4	47.7	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4
GE 1800	47.1	47.2	47.4	47.9	48.3	48.3	48.6	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3
GE 1500	51.3	51.5	51.8	52.4	52.8	53.1	53.4	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.5	54.8
GE 1200	55.5	56.0	56.7	58.1	58.5	58.7	59.1	60.3	60.3	60.3	60.4	60.4	60.5	60.5	60.8	61.2
GE 1000	60.1	60.6	61.6	63.2	64.0	64.2	64.5	65.7	65.9	65.9	66.0	66.0	66.2	66.2	66.5	66.9
GE 900	61.7	62.7	63.8	65.4	66.2	66.4	66.7	68.0	68.1	68.1	68.2	68.2	68.4	68.4	68.7	69.1
GE 800	65.9	67.4	69.4	71.1	72.2	72.4	72.7	74.0	74.1	74.1	74.2	74.2	74.4	74.4	74.7	75.1
GE 700	70.0	71.6	73.9	75.5	77.0	77.2	77.9	79.2	79.3	79.3	79.4	79.4	79.6	79.6	80.0	80.3
GE 600	73.5	75.4	78.1	79.9	81.6	81.9	82.9	84.2	84.3	84.4	84.5	84.5	84.8	84.8	85.1	85.4
GE 500	76.5	78.8	81.9	84.2	86.3	86.9	87.9	89.2	89.3	89.4	89.5	89.5	89.8	89.8	90.1	90.4
GE 400	77.5	79.8	83.3	86.0	88.3	88.9	89.9	91.3	91.4	91.9	92.3	92.3	92.7	92.7	93.0	93.3
GE 300	78.4	80.6	84.8	87.5	89.9	90.4	91.4	93.3	93.7	94.3	95.3	95.3	95.8	95.9	96.4	96.8
GE 200	78.4	80.6	84.9	87.7	90.1	90.7	91.8	93.8	94.1	95.1	96.2	96.2	96.9	97.1	97.7	98.1
GE 100	78.4	80.6	84.9	87.7	90.1	90.7	91.8	93.9	94.2	95.4	96.6	96.6	97.2	97.8	98.7	99.7
GE 000	78.4	80.6	84.9	87.7	90.1	90.7	91.8	93.9	94.2	95.4	96.6	96.6	97.2	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 899



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.1	30.1	30.1	30.3	30.7	31.0	31.1	31.3	31.3	31.7	31.7	31.7	31.7	31.8	31.9	31.9
GE 20000	31.5	31.5	31.5	31.6	32.0	32.4	32.5	32.6	32.6	33.0	33.0	33.0	33.0	33.1	33.3	33.3
GE 18000	31.7	31.7	31.7	31.8	32.3	32.6	32.7	32.8	32.8	33.3	33.3	33.3	33.3	33.4	33.5	33.5
GE 16000	31.8	31.8	31.8	31.9	32.4	32.7	32.8	32.9	32.9	33.4	33.4	33.4	33.4	33.5	33.6	33.6
GE 14000	31.8	31.8	31.8	31.9	32.4	32.7	32.8	32.9	32.9	33.4	33.4	33.4	33.4	33.5	33.6	33.6
GE 12000	33.0	33.0	33.0	33.1	33.6	33.9	34.0	34.1	34.1	34.6	34.6	34.6	34.6	34.7	34.8	34.8
GE 10000	34.0	34.0	34.0	34.1	34.6	34.9	35.0	35.2	35.2	35.6	35.6	35.6	35.6	35.7	35.8	35.8
GE 9000	34.4	34.4	34.4	34.5	35.0	35.5	35.6	35.7	35.7	36.2	36.2	36.2	36.2	36.3	36.4	36.5
GE 8000	36.3	36.3	36.3	36.4	37.0	37.5	37.6	37.7	37.7	38.2	38.3	38.3	38.3	38.4	38.5	38.6
GE 7000	37.4	37.4	37.4	37.5	38.2	38.6	38.7	38.8	38.8	39.3	39.4	39.4	39.4	39.5	39.6	39.7
GE 6000	38.0	38.0	38.0	38.2	38.8	39.3	39.4	39.5	39.5	39.9	40.0	40.0	40.0	40.2	40.3	40.4
GE 5000	39.0	39.2	39.5	39.7	40.6	41.0	41.2	41.3	41.3	41.7	41.8	41.8	41.8	41.9	42.0	42.2
GE 4500	39.3	39.4	39.7	39.9	40.8	41.3	41.4	41.5	41.5	41.9	42.0	42.0	42.0	42.2	42.3	42.4
GE 4000	39.6	39.7	40.0	40.3	41.2	41.6	41.7	41.8	41.8	42.3	42.4	42.4	42.4	42.5	42.6	42.7
GE 3500	40.0	40.2	40.5	40.7	41.6	42.0	42.2	42.3	42.3	42.7	42.8	42.8	42.8	42.9	43.0	43.2
GE 3000	40.7	40.8	41.2	41.4	42.3	42.7	42.8	42.9	42.9	43.4	43.5	43.5	43.5	43.6	43.7	43.8
GE 2500	41.9	42.2	42.6	42.8	43.7	44.2	44.3	44.5	44.5	44.9	45.	45.1	45.1	45.2	45.3	45.4
GE 2000	43.2	43.4	43.9	44.3	45.3	45.7	45.8	46.1	46.1	46.6	46.7	46.7	46.7	46.8	46.9	47.1
GE 1800	44.9	45.2	45.7	46.1	47.1	47.5	47.6	47.8	47.8	48.4	48.5	48.5	48.5	48.6	48.7	48.8
GE 1500	47.9	48.3	49.1	49.4	50.4	50.8	50.9	51.2	51.2	51.7	51.9	51.9	51.9	52.1	52.4	52.7
GE 1200	51.6	51.9	53.2	53.8	54.9	55.4	55.5	56.0	56.0	56.5	56.7	56.7	56.7	56.8	57.4	57.7
GE 1000	57.2	58.0	59.5	60.6	62.2	62.6	62.7	63.2	63.2	63.7	64.1	64.1	64.1	64.2	64.7	65.1
GE 900	58.3	59.1	60.7	61.8	63.4	63.8	64.0	64.4	64.4	65.0	65.3	65.3	65.3	65.4	66.0	66.3
GE 800	61.3	62.7	64.5	65.7	67.6	68.2	68.3	68.7	68.9	69.5	69.9	69.9	69.9	70.0	70.5	70.9
GE 700	64.5	66.1	68.5	69.9	71.9	72.4	72.7	73.3	73.5	74.3	74.9	74.9	74.9	75.0	75.5	75.9
GE 600	69.1	71.1	74.2	75.6	78.0	78.5	79.6	80.2	80.4	81.2	81.9	81.9	81.9	82.0	82.6	83.0
GE 500	71.4	73.9	77.6	79.3	82.8	83.3	84.6	85.2	85.4	86.3	87.0	87.0	87.1	87.3	88.0	88.3
GE 400	71.7	74.5	78.5	80.5	84.2	84.8	86.3	87.5	88.1	89.4	90.2	90.2	90.4	90.7	91.3	91.7
GE 300	72.2	75.0	79.1	81.6	85.7	86.2	88.2	90.1	90.9	92.3	93.4	93.4	93.7	93.9	94.5	94.9
GE 200	72.2	75.0	79.2	81.8	86.2	86.8	89.0	91.0	91.8	93.3	94.5	94.5	95.0	95.3	96.1	96.8
GE 100	72.2	75.0	79.2	81.8	86.2	86.8	89.0	91.0	91.8	93.5	94.8	94.9	95.4	96.0	97.8	99.8
GE 000	72.2	75.0	79.2	81.8	86.2	86.8	89.0	91.0	91.8	93.5	94.8	94.9	95.4	96.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.3	29.6	29.9	30.1	30.7	30.9	31.2	31.5	31.6	32.0	32.3	32.3	32.6	32.6	32.8	32.9
GE 20000	30.7	31.0	31.3	31.5	32.1	32.4	32.7	33.0	33.1	33.5	33.8	33.8	34.1	34.2	34.3	34.5
GE 18000	31.0	31.3	31.5	31.8	32.4	32.6	33.0	33.3	33.3	33.8	34.1	34.1	34.4	34.4	34.6	34.8
GE 16000	31.3	31.6	31.9	32.1	32.8	33.0	33.3	33.6	33.7	34.2	34.5	34.5	34.8	34.8	35.0	35.1
GE 14000	31.5	31.8	32.1	32.3	32.9	33.2	33.5	33.8	33.9	34.3	34.7	34.7	34.9	35.0	35.2	35.3
GE 12000	32.1	32.4	32.7	32.9	33.5	33.8	34.1	34.4	34.5	34.9	35.3	35.3	35.6	35.6	35.8	35.9
GE 10000	33.5	33.8	34.1	34.4	35.1	35.3	35.7	36.0	36.1	36.6	36.9	36.9	37.2	37.2	37.4	37.6
GE 9000	34.2	34.5	34.8	35.1	35.8	36.1	36.5	36.8	36.9	37.3	37.7	37.7	38.0	38.0	38.2	38.4
GE 8000	35.8	36.1	36.5	36.8	37.6	37.8	38.2	38.5	38.6	39.1	39.4	39.4	39.7	39.8	40.0	40.1
GE 7000	37.1	37.4	37.9	38.2	39.0	39.3	39.6	40.0	40.1	40.5	40.9	40.9	41.2	41.2	41.4	41.6
GE 6000	37.4	37.7	38.2	38.5	39.3	39.5	39.9	40.3	40.3	40.8	41.2	41.2	41.5	41.5	41.7	41.9
GE 5000	38.2	38.5	39.0	39.4	40.2	40.5	40.9	41.3	41.4	41.8	42.2	42.2	42.5	42.5	42.7	42.9
GE 4500	38.4	38.7	39.2	39.6	40.4	40.7	41.1	41.4	41.5	42.0	42.4	42.4	42.7	42.7	42.9	43.1
GE 4000	38.8	39.2	39.6	40.0	40.9	41.2	41.5	41.9	42.0	42.4	42.8	42.8	43.1	43.2	43.4	43.5
GE 3500	39.5	39.9	40.4	40.8	41.7	42.0	42.4	42.7	42.8	43.3	43.7	43.7	44.0	44.0	44.2	44.4
GE 3000	40.3	40.6	41.2	41.6	42.6	43.0	43.3	43.7	43.8	44.3	44.7	44.7	45.0	45.0	45.2	45.4
GE 2500	41.1	41.5	42.2	42.6	43.7	44.1	44.5	45.0	45.2	45.7	46.0	46.0	46.3	46.4	46.6	46.8
GE 2000	43.0	43.5	44.2	44.7	45.9	46.2	46.7	47.3	47.4	47.9	48.3	48.3	48.6	48.7	48.9	49.0
GE 1800	43.8	44.4	45.1	45.6	46.8	47.2	47.7	48.3	48.5	49.0	49.4	49.4	49.7	49.7	49.9	50.1
GE 1500	46.5	47.3	48.3	48.9	50.2	50.7	51.3	51.9	52.1	52.7	53.1	53.1	53.4	53.5	53.7	54.0
GE 1200	49.8	50.7	52.0	52.9	54.3	54.8	55.4	56.2	56.4	57.0	57.4	57.4	57.8	57.8	58.1	58.4
GE 1000	54.8	56.1	57.7	58.9	61.0	61.5	62.2	63.1	63.3	63.9	64.4	64.4	64.8	64.8	65.1	65.4
GE 900	56.0	57.4	59.2	60.4	62.6	63.1	63.9	64.8	65.0	65.6	66.1	66.1	66.5	66.6	66.9	67.2
GE 800	59.1	60.9	62.9	64.4	66.8	67.5	68.4	69.3	69.5	70.3	70.8	70.8	71.2	71.2	71.6	71.9
GE 700	62.2	64.0	66.4	68.0	70.8	71.5	72.6	73.6	73.9	74.7	75.3	75.3	75.7	75.8	76.2	76.5
GE 600	65.7	67.8	70.5	72.8	76.1	76.9	78.6	79.6	80.0	80.9	81.7	81.7	82.2	82.3	82.6	82.9
GE 500	68.2	70.8	73.9	76.5	80.4	81.4	83.4	84.6	85.0	86.1	87.0	87.1	87.7	87.8	88.2	88.6
GE 400	69.3	72.0	75.4	78.3	82.6	83.7	85.8	87.5	88.0	89.5	90.7	90.7	91.5	91.6	92.1	92.4
GE 300	69.7	72.4	76.0	79.2	83.9	85.0	87.2	89.4	90.0	91.8	93.4	93.5	94.6	94.7	95.5	95.9
GE 200	69.8	72.4	76.1	79.3	84.1	85.2	87.6	89.8	90.5	92.6	94.5	94.6	96.1	96.3	97.3	97.9
GE 100	69.8	72.4	76.1	79.3	84.1	85.2	87.6	89.9	90.6	92.7	94.8	94.8	96.4	96.7	98.3	99.7
GE 000	69.8	72.4	76.1	79.3	84.1	85.2	87.6	89.9	90.6	92.7	94.8	94.9	96.5	96.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.1	32.3	32.6	33.1	33.6	33.6	33.8	33.8	33.9	34.1	34.4	34.4	35.3	35.3	36.1	36.2
GE 20000	33.2	33.4	33.8	34.3	34.8	34.8	35.1	35.1	35.2	35.5	35.8	35.8	36.7	36.7	37.6	38.2
GE 18000	33.7	33.9	34.3	34.7	35.3	35.3	35.5	35.5	35.6	36.0	36.2	36.2	37.1	37.1	38.1	38.8
GE 16000	33.7	33.9	34.3	34.7	35.3	35.3	35.5	35.5	35.6	36.0	36.2	36.2	37.1	37.1	38.1	38.8
GE 14000	34.4	34.6	34.9	35.4	36.0	36.0	36.2	36.2	36.3	36.7	36.9	36.9	37.8	37.8	38.8	39.4
GE 12000	35.6	35.9	36.2	36.7	37.3	37.3	37.5	37.5	37.6	37.9	38.2	38.2	39.2	39.2	40.3	40.9
GE 10000	38.2	38.4	38.8	39.2	39.8	39.8	40.0	40.0	40.1	40.5	40.7	40.7	41.8	41.8	42.8	43.6
GE 9000	41.3	41.5	41.9	42.3	42.9	42.9	43.1	43.1	43.3	43.6	43.8	43.8	44.9	44.9	46.3	47.1
GE 8000	44.1	44.3	44.8	45.2	45.9	45.9	46.1	46.3	46.4	46.7	46.9	46.9	48.0	48.0	49.4	50.2
GE 7000	46.1	46.4	46.8	47.4	48.1	48.1	48.3	48.4	48.6	48.9	49.1	49.1	50.2	50.2	51.8	52.7
GE 6000	47.6	47.9	48.3	48.9	49.6	49.6	49.8	49.9	50.1	50.4	50.6	50.6	51.7	51.7	53.3	54.2
GE 5000	48.0	48.2	48.7	49.3	49.9	49.9	50.2	50.3	50.4	50.7	51.0	51.0	52.0	52.0	53.6	54.6
GE 4500	48.2	48.4	48.9	49.5	50.2	50.2	50.4	50.5	50.6	51.0	51.2	51.2	52.2	52.2	53.9	54.8
GE 4000	49.6	49.8	50.3	50.9	51.6	51.6	51.8	52.0	52.1	52.5	52.7	52.7	53.7	53.7	55.4	56.3
GE 3500	49.8	50.1	50.5	51.1	51.8	51.8	52.0	52.2	52.4	52.7	52.9	52.9	54.0	54.0	55.6	56.5
GE 3000	51.1	51.3	51.8	52.4	53.1	53.1	53.3	53.5	53.6	54.0	54.2	54.2	55.2	55.2	56.9	57.8
GE 2500	52.0	52.2	52.7	53.3	54.0	54.0	54.2	54.4	54.6	54.9	55.1	55.1	56.2	56.2	57.8	58.7
GE 2000	52.9	53.2	53.6	54.2	54.9	55.0	55.2	55.5	55.6	56.1	56.3	56.3	57.3	57.3	58.9	59.9
GE 1800	52.9	53.2	53.6	54.2	54.9	55.0	55.2	55.5	55.6	56.1	56.3	56.3	57.3	57.3	58.9	59.9
GE 1500	53.3	53.5	54.0	54.6	55.2	55.4	55.6	55.8	55.9	56.4	56.6	56.6	57.7	57.7	59.3	60.2
GE 1200	54.1	54.3	54.8	55.4	56.1	56.2	56.4	56.6	56.7	57.2	57.4	57.4	58.5	58.5	60.1	61.0
GE 1000	54.3	54.7	55.2	55.8	56.7	56.9	57.2	57.7	57.8	58.2	58.5	58.5	59.5	59.5	61.1	62.1
GE 900	55.1	55.5	56.1	56.6	57.6	57.7	58.0	58.5	58.6	59.1	59.3	59.3	60.3	60.3	61.9	62.9
GE 800	56.7	57.1	57.7	58.2	59.4	59.5	59.9	60.3	60.4	60.9	61.1	61.1	62.2	62.2	63.8	64.7
GE 700	58.4	58.9	59.5	60.1	61.2	61.4	61.7	62.2	62.3	62.9	63.4	63.4	64.5	64.5	66.2	67.4
GE 600	59.9	60.4	61.0	61.6	62.7	62.9	63.2	63.7	63.8	64.4	65.4	65.4	66.8	66.8	68.5	69.7
GE 500	62.9	63.7	64.9	65.5	66.9	67.1	67.6	68.3	68.4	69.2	70.5	70.5	72.2	72.2	73.9	75.1
GE 400	64.7	65.6	67.5	68.3	70.0	70.2	71.2	72.0	72.2	73.2	74.7	74.7	76.7	76.9	79.0	80.2
GE 300	65.4	66.4	68.9	70.2	73.4	73.9	75.4	77.5	77.9	80.2	82.6	82.7	85.6	86.3	89.0	90.7
GE 200	65.4	66.4	68.9	70.2	73.6	74.4	75.9	78.3	78.7	81.5	84.5	84.8	88.1	89.0	93.2	95.6
GE 100	65.4	66.4	68.9	70.2	73.6	74.4	75.9	78.4	78.8	81.7	84.7	84.9	89.0	90.0	95.8	99.8
GE 000	65.4	66.4	68.9	70.2	73.6	74.4	75.9	78.4	78.8	81.7	84.7	84.9	89.0	90.0	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 867

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.6	31.9	32.6	32.7	33.1	33.1	33.4	33.5	33.5	33.9	34.5	34.5	34.7	34.8	35.0	35.8
GE 20000	32.1	32.5	33.2	33.3	33.6	33.6	34.0	34.1	34.1	34.5	35.0	35.0	35.3	35.4	36.1	37.0
GE 18000	32.4	32.7	33.4	33.5	33.9	33.9	34.2	34.3	34.3	34.7	35.4	35.4	35.6	35.7	36.4	37.3
GE 16000	32.4	32.7	33.4	33.5	33.9	33.9	34.2	34.3	34.3	34.7	35.4	35.4	35.6	35.7	36.4	37.3
GE 14000	32.4	32.7	33.4	33.5	33.9	33.9	34.2	34.3	34.3	34.7	35.4	35.4	35.6	35.7	36.4	37.3
GE 12000	33.5	33.9	34.6	34.7	35.0	35.0	35.4	35.5	35.5	35.8	36.5	36.5	36.8	36.9	37.6	38.5
GE 10000	35.3	35.6	36.3	36.5	36.9	36.9	37.2	37.6	37.7	38.0	38.8	38.8	39.1	39.2	39.9	40.8
GE 9000	39.3	39.7	40.3	40.6	40.9	40.9	41.3	41.6	41.7	42.1	42.9	42.9	43.1	43.2	43.9	44.9
GE 8000	43.6	44.0	44.7	45.0	45.5	45.5	45.9	46.2	46.4	46.8	47.6	47.6	48.0	48.1	48.8	49.8
GE 7000	45.1	45.5	46.2	46.5	47.1	47.1	47.4	47.7	47.9	48.4	49.2	49.2	49.6	49.8	50.5	51.6
GE 6000	45.9	46.4	47.1	47.3	47.9	47.9	48.2	48.6	48.7	49.2	50.1	50.1	50.4	50.6	51.3	52.4
GE 5000	47.2	47.6	48.3	48.6	49.1	49.1	49.5	49.8	49.9	50.5	51.3	51.3	51.7	51.9	52.6	53.6
GE 4500	47.2	47.6	48.3	48.6	49.1	49.1	49.5	49.8	49.9	50.5	51.3	51.3	51.7	51.9	52.6	53.6
GE 4000	47.4	47.9	48.6	48.8	49.4	49.4	49.7	50.1	50.2	50.8	51.6	51.6	51.9	52.1	52.8	53.9
GE 3500	47.6	48.1	48.8	49.0	49.6	49.6	49.9	50.3	50.4	51.0	51.8	51.8	52.1	52.4	53.1	54.1
GE 3000	48.6	49.0	49.9	50.2	50.8	50.8	51.1	51.4	51.6	52.1	52.9	52.9	53.3	53.5	54.2	55.3
GE 2500	49.0	49.5	50.5	50.8	51.3	51.3	51.7	52.0	52.1	52.7	53.5	53.5	53.9	54.1	54.8	55.8
GE 2000	49.9	50.5	51.7	52.0	52.6	52.7	53.1	53.4	53.5	54.1	54.9	54.9	55.3	55.5	56.2	57.2
GE 1800	49.9	50.5	51.7	52.0	52.6	52.7	53.1	53.4	53.5	54.1	54.9	54.9	55.3	55.5	56.2	57.2
GE 1500	50.4	51.0	52.1	52.5	53.3	53.4	53.9	54.2	54.3	54.9	55.7	55.7	56.1	56.3	57.0	58.0
GE 1200	51.1	51.8	52.9	53.3	54.2	54.3	54.8	55.3	55.4	56.0	56.8	56.8	57.1	57.3	58.0	59.1
GE 1000	52.3	53.1	54.5	55.0	56.0	56.1	57.0	57.5	57.6	58.2	59.0	59.0	59.3	59.5	60.2	61.3
GE 900	52.8	53.6	55.0	55.6	56.5	56.6	57.6	58.0	58.2	58.7	59.5	59.5	59.9	60.1	60.8	61.8
GE 800	54.0	54.9	56.6	57.3	58.4	58.5	59.4	59.9	60.0	60.7	61.5	61.5	61.8	62.1	62.8	63.8
GE 700	56.3	57.2	59.2	60.0	61.2	61.3	62.2	62.7	62.8	63.5	64.3	64.3	64.7	65.0	65.8	66.9
GE 600	58.3	59.2	61.2	62.1	63.7	63.8	64.7	65.2	65.3	66.0	67.4	67.4	67.9	68.1	68.9	70.1
GE 500	60.1	61.2	63.6	64.6	66.8	66.9	67.9	68.8	68.9	69.8	71.3	71.3	71.8	72.0	73.1	74.3
GE 400	62.0	63.5	66.1	67.6	70.1	70.2	71.1	72.6	72.9	74.5	76.1	76.1	76.8	77.0	78.0	79.4
GE 300	62.7	64.3	66.9	69.1	72.3	72.5	74.6	76.9	77.6	80.1	82.8	82.8	84.6	84.9	86.4	88.0
GE 200	62.7	64.4	67.3	69.6	73.1	73.4	75.8	78.5	79.4	83.6	86.6	86.6	89.6	89.8	92.0	95.3
GE 100	62.7	64.4	67.3	69.6	73.1	73.4	75.8	78.5	79.4	83.7	86.8	86.8	90.4	90.8	94.3	98.8
GE 000	62.7	64.4	67.3	69.6	73.1	73.4	75.8	78.5	79.4	83.7	86.8	86.8	90.4	90.8	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 865

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.6	32.6	32.9	33.3	33.6	33.6	33.6	33.8	34.1	34.5	35.1	35.1	35.5	35.5	35.9	36.4
GE 20000	33.7	33.7	33.9	34.4	34.7	34.7	34.7	34.9	35.3	35.6	36.3	36.3	36.8	36.8	37.1	37.8
GE 18000	33.7	33.7	33.9	34.4	34.7	34.7	34.7	34.9	35.3	35.6	36.3	36.3	36.8	36.8	37.1	37.8
GE 16000	33.7	33.7	33.9	34.4	34.7	34.7	34.7	34.9	35.3	35.6	36.3	36.3	36.8	36.8	37.1	37.8
GE 14000	34.3	34.3	34.5	34.9	35.3	35.3	35.3	35.5	35.9	36.2	36.9	36.9	37.4	37.4	37.7	38.4
GE 12000	34.8	34.8	35.1	35.5	35.9	35.9	35.9	36.1	36.4	36.8	37.6	37.6	38.1	38.1	38.4	39.1
GE 10000	37.1	37.3	37.5	37.9	38.5	38.5	38.6	39.3	39.7	40.1	40.9	40.9	41.5	41.5	41.9	42.7
GE 9000	40.5	40.6	40.8	41.3	41.9	41.9	42.0	42.7	43.0	43.5	44.3	44.3	45.0	45.0	45.3	46.1
GE 8000	42.8	43.0	43.5	44.1	44.8	44.8	44.9	45.6	45.9	46.5	47.3	47.3	48.0	48.0	48.3	49.1
GE 7000	44.9	45.1	45.6	46.3	46.9	46.9	47.2	47.9	48.2	48.8	49.6	49.6	50.3	50.3	50.7	51.6
GE 6000	45.4	45.7	46.1	46.8	47.5	47.5	47.8	48.4	48.8	49.4	50.2	50.2	50.9	50.9	51.3	52.1
GE 5000	45.7	45.9	46.5	47.2	47.9	47.9	48.1	48.9	49.3	49.9	50.9	50.9	51.6	51.6	52.0	52.8
GE 4500	46.0	46.3	46.8	47.5	48.2	48.2	48.4	49.3	49.6	50.3	51.2	51.2	51.9	51.9	52.4	53.2
GE 4000	46.1	46.4	46.9	47.6	48.3	48.3	48.6	49.4	49.7	50.4	51.3	51.3	52.0	52.0	52.5	53.3
GE 3500	46.1	46.4	46.9	47.6	48.3	48.3	48.6	49.4	49.7	50.4	51.3	51.3	52.0	52.0	52.5	53.3
GE 3000	46.9	47.2	47.9	48.6	49.5	49.5	49.7	50.5	50.9	51.6	52.5	52.5	53.2	53.2	53.6	54.4
GE 2500	47.5	47.8	48.6	49.3	50.2	50.2	50.4	51.2	51.6	52.2	53.2	53.2	53.9	53.9	54.3	55.1
GE 2000	48.7	48.9	49.8	50.5	51.4	51.4	51.7	52.5	52.8	53.5	54.4	54.4	55.1	55.1	55.6	56.4
GE 1800	48.9	49.1	50.1	50.7	51.7	51.7	51.9	52.7	53.1	53.7	54.7	54.7	55.4	55.4	55.8	56.6
GE 1500	49.8	50.1	51.1	52.1	53.2	53.2	53.4	54.2	54.6	55.2	56.2	56.2	56.9	56.9	57.3	58.1
GE 1200	50.2	50.7	51.8	52.8	53.9	53.9	54.1	55.0	55.4	56.1	57.0	57.0	57.7	57.7	58.1	58.9
GE 1000	52.0	52.6	53.7	54.9	56.2	56.2	56.5	57.4	57.8	58.5	59.4	59.4	60.1	60.1	60.7	61.5
GE 900	52.4	52.9	54.1	55.2	56.5	56.5	56.9	57.8	58.1	58.8	59.7	59.7	60.4	60.4	61.0	61.8
GE 800	54.0	54.6	55.8	57.0	58.2	58.2	58.8	59.7	60.1	60.9	61.8	61.8	62.5	62.6	63.2	64.0
GE 700	56.1	57.0	58.2	59.5	60.8	60.8	61.6	62.5	62.9	63.7	64.6	64.6	65.3	65.4	66.1	66.9
GE 600	57.3	58.4	59.9	61.2	63.1	63.1	64.0	65.1	65.4	66.3	67.4	67.4	68.2	68.3	69.1	69.9
GE 500	59.2	60.3	63.0	64.8	67.6	67.6	68.6	69.8	70.1	71.5	72.5	72.5	73.6	73.7	74.6	75.4
GE 400	61.2	62.6	65.4	67.9	71.5	71.5	73.0	74.9	75.3	76.8	78.2	78.2	79.5	79.6	80.6	81.8
GE 300	62.2	63.6	66.9	69.7	73.4	73.8	76.4	78.4	79.0	81.1	84.0	84.0	87.2	87.3	89.0	90.2
GE 200	62.2	64.0	67.4	70.1	74.0	74.5	77.6	80.0	81.1	83.5	87.0	87.0	91.5	91.6	94.2	96.2
GE 100	62.2	64.0	67.4	70.1	74.0	74.5	77.6	80.0	81.1	83.6	87.1	87.1	92.0	92.3	96.5	99.1
GE 000	62.2	64.0	67.4	70.1	74.0	74.5	77.6	80.0	81.1	83.6	87.1	87.1	92.0	92.3	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 867

D - 2 - 48

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.1	37.3	38.0	38.0	38.1	38.1	38.3	38.3	38.3	38.7	39.0	39.0	39.1	39.1	39.4	39.4
GE 20000	38.4	38.7	39.4	39.4	39.5	39.5	39.9	39.9	39.9	40.3	40.7	40.7	41.1	41.1	41.3	41.3
GE 18000	38.4	38.7	39.4	39.4	39.5	39.5	39.9	39.9	39.9	40.3	40.7	40.7	41.1	41.1	41.3	41.3
GE 16000	38.4	38.7	39.4	39.4	39.5	39.5	39.9	39.9	39.9	40.3	40.7	40.7	41.1	41.1	41.3	41.3
GE 14000	39.1	39.4	40.0	40.0	40.2	40.2	40.6	40.6	40.6	41.0	41.4	41.4	41.8	41.8	42.0	42.0
GE 12000	40.3	40.5	41.2	41.2	41.3	41.3	41.8	41.8	41.8	42.1	42.6	42.6	42.9	42.9	43.1	43.1
GE 10000	43.7	43.9	44.6	44.6	44.9	44.9	45.7	45.8	45.9	46.3	46.8	46.8	47.1	47.1	47.4	47.4
GE 9000	45.8	46.0	46.7	46.7	46.9	46.9	47.7	47.8	47.9	48.4	48.9	48.9	49.2	49.2	49.4	49.4
GE 8000	49.0	49.2	49.9	49.9	50.1	50.1	50.9	51.0	51.3	51.7	52.2	52.2	52.5	52.5	52.7	52.7
GE 7000	50.9	51.3	51.9	52.1	52.3	52.3	53.1	53.2	53.4	53.9	54.5	54.5	54.8	54.8	55.0	55.0
GE 6000	51.3	51.6	52.3	52.4	52.6	52.6	53.4	53.5	53.8	54.2	54.9	54.9	55.3	55.3	55.5	55.5
GE 5000	51.7	52.1	52.9	53.0	53.2	53.2	54.0	54.1	54.3	54.8	55.5	55.5	55.8	55.8	56.1	56.1
GE 4500	51.8	52.2	53.0	53.1	53.3	53.3	54.1	54.2	54.5	54.9	55.6	55.6	55.9	55.9	56.2	56.2
GE 4000	52.5	52.9	53.7	53.8	54.0	54.0	54.8	54.9	55.1	55.6	56.3	56.3	56.6	56.6	56.9	56.9
GE 3500	53.1	53.4	54.2	54.3	54.6	54.6	55.4	55.5	55.7	56.2	56.9	56.9	57.2	57.2	57.4	57.4
GE 3000	53.9	54.3	55.1	55.4	55.6	55.6	56.4	56.5	56.8	57.2	57.9	57.9	58.2	58.2	58.5	58.5
GE 2500	54.6	55.1	56.1	56.4	56.6	56.6	57.4	57.6	57.8	58.2	58.9	58.9	59.3	59.3	59.5	59.5
GE 2000	55.8	56.4	57.4	57.8	58.0	58.0	58.8	58.9	59.2	59.6	60.3	60.3	60.6	60.6	60.9	60.9
GE 1800	55.8	56.4	57.4	57.8	58.0	58.0	58.8	58.9	59.2	59.6	60.3	60.3	60.6	60.6	60.9	60.9
GE 1500	57.6	58.1	59.2	59.5	59.7	59.7	60.6	60.8	61.0	61.7	62.4	62.4	62.7	62.7	62.9	62.9
GE 1200	58.9	59.6	60.8	61.1	61.3	61.3	62.2	62.4	62.6	63.3	64.0	64.0	64.3	64.3	64.5	64.5
GE 1000	60.2	60.9	62.1	62.6	62.9	62.9	63.8	64.0	64.2	65.0	65.7	65.7	66.0	66.1	66.4	66.4
GE 900	60.6	61.3	62.7	63.2	63.5	63.5	64.4	64.5	64.8	65.6	66.2	66.2	66.6	66.7	66.9	66.9
GE 800	62.5	63.4	64.8	65.3	65.8	65.8	66.7	66.8	67.0	67.8	68.5	68.5	68.9	69.0	69.3	69.3
GE 700	66.0	66.9	68.4	69.0	69.8	69.8	70.7	70.8	71.2	72.0	72.7	72.7	73.0	73.1	73.5	73.5
GE 600	67.4	68.4	70.3	70.9	72.0	72.0	73.0	73.1	73.5	74.3	74.9	74.9	75.3	75.4	76.1	76.1
GE 500	70.1	71.2	73.2	74.4	75.6	75.6	76.9	77.1	77.5	78.7	79.4	79.4	79.7	79.9	80.7	80.8
GE 400	72.9	74.4	76.8	77.9	79.5	79.5	81.2	82.0	83.4	84.7	85.7	85.7	86.3	86.4	87.4	87.6
GE 300	74.0	75.6	78.1	79.6	81.7	81.9	84.1	85.1	86.7	89.1	90.8	90.8	92.1	92.2	93.8	94.1
GE 200	74.3	76.1	78.6	80.1	82.3	82.7	85.5	86.6	88.4	91.2	93.2	93.2	95.2	95.3	97.4	98.1
GE 100	74.3	76.1	78.6	80.1	82.3	82.7	85.5	86.6	88.4	91.2	93.7	93.7	95.8	96.0	98.4	99.8
GE 000	74.3	76.1	78.6	80.1	82.3	82.7	85.5	86.6	88.4	91.2	93.7	93.7	95.8	96.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 874

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															G
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	
NO CEIL	41.9	42.0	42.3	42.6	43.0	43.0	43.1	43.3	43.3	43.4	43.5	43.5	43.5	43.6	43.6	43.7
GE 20000	43.9	44.1	44.4	44.6	45.1	45.1	45.3	45.4	45.4	45.8	45.9	45.9	45.9	46.0	46.0	46.1
GE 18000	44.8	44.9	45.2	45.4	45.9	45.9	46.1	46.3	46.3	46.6	46.7	46.7	46.7	46.8	46.8	46.9
GE 16000	44.9	45.0	45.3	45.6	46.0	46.0	46.3	46.4	46.4	46.7	46.8	46.8	46.8	46.9	46.9	47.0
GE 14000	45.7	45.8	46.1	46.4	46.8	46.8	47.1	47.2	47.2	47.5	47.6	47.6	47.6	47.8	47.8	47.9
GE 12000	46.6	46.7	47.1	47.3	47.8	47.8	48.0	48.1	48.1	48.4	48.6	48.6	48.6	48.7	48.7	48.8
GE 10000	49.4	49.5	49.9	50.2	50.6	50.6	50.9	51.0	51.0	51.3	51.4	51.4	51.4	51.6	51.6	51.7
GE 9000	51.3	51.4	51.9	52.2	52.7	52.7	52.9	53.1	53.1	53.4	53.6	53.6	53.6	53.7	53.7	53.8
GE 8000	54.1	54.2	54.7	55.0	55.5	55.5	55.8	55.9	55.9	56.3	56.6	56.7	56.7	56.9	57.0	57.1
GE 7000	55.8	55.9	56.4	56.7	57.2	57.2	57.6	57.7	57.7	58.1	58.5	58.6	58.6	58.7	58.8	58.9
GE 6000	56.5	56.7	57.2	57.6	58.0	58.0	58.4	58.5	58.5	58.9	59.3	59.4	59.4	59.5	59.6	59.7
GE 5000	57.7	57.9	58.4	58.7	59.2	59.2	59.9	60.0	60.0	60.4	60.8	60.9	60.9	61.0	61.1	61.2
GE 4500	58.0	58.2	58.7	59.1	59.5	59.5	60.2	60.3	60.3	60.8	61.1	61.2	61.2	61.4	61.5	61.6
GE 4000	58.2	58.5	58.9	59.3	59.7	59.7	60.4	60.6	60.6	61.0	61.4	61.5	61.5	61.6	61.7	61.8
GE 3500	59.1	59.4	60.0	60.3	60.8	60.8	61.5	61.6	61.6	62.1	62.4	62.5	62.5	62.6	62.7	62.8
GE 3000	60.4	60.8	61.5	61.8	62.3	62.3	63.0	63.1	63.1	63.6	63.9	64.0	64.0	64.1	64.2	64.3
GE 2500	61.6	61.9	62.7	63.1	63.6	63.6	64.2	64.4	64.4	64.8	65.2	65.3	65.3	65.4	65.5	65.6
GE 2000	62.7	63.1	63.9	64.2	64.7	64.7	65.4	65.5	65.5	66.0	66.3	66.4	66.4	66.6	66.7	66.8
GE 1800	62.9	63.2	64.0	64.4	64.8	64.8	65.5	65.6	65.6	66.1	66.4	66.6	66.6	66.7	66.8	66.9
GE 1500	63.9	64.2	65.1	65.4	65.9	65.9	66.6	66.8	66.8	67.2	67.6	67.7	67.7	67.8	67.9	68.0
GE 1200	65.9	66.2	67.1	67.5	68.1	68.1	68.9	69.1	69.1	69.6	69.9	70.0	70.0	70.1	70.2	70.3
GE 1000	67.1	67.5	68.4	68.7	69.3	69.6	70.5	70.8	70.8	71.3	71.6	71.7	71.7	71.9	72.0	72.1
GE 900	67.9	68.4	69.3	69.7	70.2	70.5	71.4	71.7	71.7	72.2	72.5	72.7	72.7	72.8	72.9	73.0
GE 800	69.9	70.4	71.4	71.7	72.3	72.5	73.5	73.8	73.8	74.3	74.6	74.7	74.7	74.9	75.0	75.1
GE 700	71.4	72.0	73.4	73.7	74.3	74.5	75.4	75.8	75.8	76.2	76.6	76.7	76.7	76.8	76.9	77.0
GE 600	74.3	75.2	76.8	77.5	78.3	78.5	79.6	79.9	79.9	80.4	80.7	80.9	80.9	81.0	81.3	81.4
GE 500	77.4	78.3	80.4	81.1	82.0	82.2	83.4	84.0	84.0	84.5	84.9	85.0	85.0	85.1	85.5	85.6
GE 400	81.7	82.7	85.1	85.8	86.7	87.0	88.1	88.9	89.0	89.6	90.2	90.3	90.3	90.7	91.0	91.1
GE 300	82.7	83.7	86.4	87.7	88.9	89.5	91.7	93.1	93.3	94.6	95.5	95.7	96.1	96.5	97.6	97.7
GE 200	82.8	83.9	86.5	87.9	89.3	89.9	92.3	94.1	94.3	95.7	96.9	97.2	97.6	98.0	99.1	99.2
GE 100	82.8	83.9	86.5	87.9	89.3	89.9	92.3	94.1	94.3	96.0	97.3	97.7	98.2	98.6	99.7	99.8
GE 000	82.8	83.9	86.5	87.9	89.3	89.9	92.3	94.1	94.3	96.0	97.3	97.7	98.2	98.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 867

D - 2 - 50

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	42.4	42.4	42.7	43.0	43.0	43.0	43.2	43.3	43.7	44.1	44.1	44.2	44.2	44.3	44.3
GE 20000	44.6	44.7	44.7	45.0	45.2	45.2	45.2	45.5	45.6	45.9	46.4	46.4	46.5	46.5	46.6	46.6
GE 18000	45.0	45.1	45.1	45.5	45.7	45.7	45.7	45.9	46.0	46.4	46.8	46.8	46.9	46.9	47.1	47.1
GE 16000	45.4	45.5	45.5	45.8	46.0	46.0	46.0	46.3	46.4	46.7	47.2	47.2	47.3	47.3	47.4	47.4
GE 14000	46.1	46.3	46.3	46.6	46.8	46.8	46.8	47.1	47.2	47.6	48.1	48.1	48.2	48.2	48.3	48.3
GE 12000	46.8	46.9	46.9	47.3	47.5	47.5	47.5	47.7	47.8	48.3	48.8	48.8	48.9	48.9	49.0	49.0
GE 10000	49.2	49.3	49.7	50.3	50.6	50.6	50.6	50.8	51.0	51.6	52.2	52.2	52.3	52.3	52.4	52.4
GE 9000	52.6	52.7	53.1	53.7	54.0	54.0	54.0	54.2	54.4	55.0	55.6	55.6	55.7	55.7	55.8	55.8
GE 8000	55.8	55.9	56.2	56.9	57.1	57.3	57.3	57.5	57.7	58.3	58.8	58.8	59.0	59.0	59.1	59.1
GE 7000	56.7	56.8	57.1	57.8	58.0	58.2	58.2	58.4	58.6	59.2	60.0	60.0	60.1	60.1	60.2	60.2
GE 6000	57.6	57.7	58.0	58.7	59.0	59.1	59.1	59.3	59.5	60.1	60.9	60.9	61.0	61.0	61.1	61.1
GE 5000	58.6	58.7	59.2	59.9	60.1	60.2	60.3	60.5	60.8	61.3	62.1	62.1	62.2	62.2	62.5	62.5
GE 4500	58.8	59.0	59.5	60.2	60.4	60.5	60.7	60.9	61.1	61.7	62.5	62.5	62.6	62.6	62.8	62.8
GE 4000	59.6	59.8	60.5	61.2	61.5	61.6	61.7	61.9	62.1	62.7	63.5	63.5	63.6	63.6	63.8	63.8
GE 3500	60.2	60.3	61.3	62.0	62.4	62.5	62.6	62.8	63.0	63.6	64.4	64.4	64.5	64.5	64.7	64.7
GE 3000	61.2	61.3	62.5	63.2	63.5	63.6	63.7	63.9	64.2	64.7	65.5	65.5	65.6	65.6	65.9	65.9
GE 2500	61.9	62.0	63.2	63.8	64.2	64.3	64.5	64.9	65.1	65.6	66.4	66.4	66.6	66.6	66.8	66.8
GE 2000	62.7	62.8	63.9	64.6	65.0	65.1	65.3	65.6	65.9	66.4	67.2	67.2	67.3	67.3	67.6	67.6
GE 1800	63.0	63.2	64.3	65.0	65.3	65.4	65.6	66.0	66.2	66.8	67.6	67.6	67.7	67.7	67.9	67.9
GE 1500	64.9	65.2	66.3	67.1	67.5	67.6	67.8	68.3	68.5	69.0	69.8	69.8	70.0	70.0	70.2	70.2
GE 1200	65.4	65.8	66.9	67.8	68.1	68.3	68.5	68.9	69.2	69.7	70.5	70.5	70.6	70.6	70.9	70.9
GE 1000	66.3	66.7	67.8	69.2	69.6	69.7	70.1	70.5	70.7	71.3	72.1	72.1	72.2	72.2	72.4	72.4
GE 900	68.1	68.5	69.6	71.0	71.4	71.5	71.9	72.3	72.6	73.1	73.9	73.9	74.0	74.0	74.3	74.3
GE 800	69.6	70.1	71.3	72.9	73.4	73.5	73.8	74.3	74.5	75.1	75.9	75.9	76.0	76.0	76.2	76.2
GE 700	70.3	70.9	72.2	73.9	74.5	74.6	74.9	75.4	75.6	76.2	77.0	77.0	77.1	77.1	77.3	77.3
GE 600	73.5	74.0	75.5	77.3	78.0	78.1	78.5	78.9	79.1	79.8	80.6	80.6	81.0	81.0	81.4	81.6
GE 500	75.3	76.0	77.9	80.2	81.0	81.1	82.0	82.4	82.7	83.6	84.4	84.4	84.7	84.7	85.1	85.4
GE 400	78.3	79.0	81.1	83.7	84.5	84.6	85.5	85.9	86.2	87.2	88.1	88.1	88.7	88.8	89.2	89.5
GE 300	79.1	79.9	82.0	85.3	86.4	86.8	88.4	89.6	89.8	90.9	92.1	92.1	93.5	93.9	94.6	94.8
GE 200	79.7	80.5	82.7	86.1	87.2	87.6	89.6	91.3	91.6	93.3	94.8	94.9	96.7	97.8	98.9	99.5
GE 100	79.7	80.5	82.7	86.1	87.2	87.6	89.6	91.3	91.6	93.3	94.8	94.9	96.7	97.8	99.0	99.8
GE 000	79.7	80.5	82.7	86.1	87.2	87.6	89.6	91.3	91.6	93.3	94.8	94.9	96.7	97.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 882



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.6	40.8	40.9	41.0	41.3	41.3	41.7	41.7	41.7	42.3	42.4	42.4	42.4	42.4	43.1	43.1
GE 20000	42.3	42.4	42.5	42.6	42.9	42.9	43.3	43.3	43.3	43.9	44.0	44.0	44.0	44.0	44.7	44.7
GE 18000	42.9	43.1	43.2	43.3	43.6	43.6	44.0	44.0	44.0	44.5	44.7	44.7	44.7	44.7	45.4	45.4
GE 16000	43.3	43.4	43.5	43.6	44.0	44.0	44.3	44.3	44.3	44.9	45.0	45.0	45.0	45.0	45.7	45.7
GE 14000	44.3	44.4	44.5	44.7	45.0	45.0	45.4	45.4	45.4	45.9	46.0	46.0	46.0	46.0	46.7	46.7
GE 12000	45.5	45.6	45.7	45.8	46.2	46.2	46.5	46.5	46.5	47.1	47.2	47.2	47.2	47.2	47.9	47.9
GE 10000	48.8	48.9	49.1	49.3	49.7	49.7	50.1	50.1	50.1	50.6	50.7	50.7	50.7	50.7	51.4	51.4
GE 9000	51.7	51.8	52.0	52.1	52.6	52.6	52.9	52.9	52.9	53.5	53.6	53.6	53.6	53.6	54.3	54.3
GE 8000	54.8	54.9	55.1	55.2	55.8	55.8	56.1	56.3	56.3	56.8	56.9	56.9	56.9	56.9	57.6	57.6
GE 7000	55.9	56.0	56.5	56.6	57.2	57.2	57.5	57.6	57.6	58.2	58.4	58.4	58.4	58.4	59.1	59.1
GE 6000	56.7	56.8	57.3	57.4	58.0	58.0	58.3	58.4	58.4	59.0	59.2	59.2	59.2	59.2	59.9	59.9
GE 5000	57.7	57.9	58.4	58.6	59.1	59.1	59.5	59.6	59.6	60.2	60.4	60.4	60.4	60.4	61.1	61.1
GE 4500	58.1	58.2	58.8	58.9	59.5	59.5	59.8	59.9	59.9	60.5	60.7	60.7	60.7	60.7	61.4	61.4
GE 4000	59.5	59.7	60.3	60.4	61.0	61.0	61.3	61.4	61.4	62.0	62.2	62.2	62.2	62.2	62.9	62.9
GE 3500	61.0	61.2	62.2	62.3	63.0	63.0	63.4	63.5	63.5	64.1	64.3	64.3	64.3	64.3	65.0	65.0
GE 3000	62.1	62.3	63.4	63.5	64.2	64.2	64.5	64.6	64.6	65.2	65.4	65.4	65.4	65.4	66.1	66.1
GE 2500	62.8	63.0	64.1	64.2	64.9	64.9	65.3	65.4	65.4	66.0	66.2	66.2	66.5	66.5	67.2	67.2
GE 2000	63.4	63.7	64.8	65.0	65.7	65.7	66.1	66.2	66.2	66.8	67.0	67.0	67.3	67.3	68.0	68.0
GE 1800	63.4	63.7	64.8	65.0	65.7	65.7	66.1	66.2	66.2	66.8	67.0	67.0	67.3	67.3	68.0	68.0
GE 1500	63.9	64.3	65.3	65.6	66.2	66.2	66.7	66.8	66.8	67.4	67.6	67.6	67.9	67.9	68.5	68.5
GE 1200	65.0	65.3	66.4	66.6	67.3	67.3	67.7	67.9	67.9	68.4	68.7	68.7	68.9	68.9	69.6	69.6
GE 1000	66.5	67.2	68.2	68.5	69.6	69.6	70.0	70.1	70.1	70.7	71.0	71.0	71.2	71.2	71.9	71.9
GE 900	68.0	68.7	69.7	70.0	71.1	71.1	71.5	71.6	71.6	72.2	72.4	72.4	72.7	72.7	73.4	73.4
GE 800	68.7	69.3	70.4	70.7	72.0	72.0	72.4	72.6	72.6	73.1	73.5	73.5	73.7	73.7	74.4	74.4
GE 700	69.5	70.1	71.2	71.5	72.8	72.8	73.2	73.4	73.5	74.1	74.5	74.5	74.7	74.9	75.5	75.5
GE 600	72.2	72.9	74.1	74.4	76.0	76.0	76.6	76.7	76.8	77.5	78.0	78.0	78.4	78.5	79.3	79.3
GE 500	74.4	75.3	76.7	77.5	79.3	79.3	80.1	80.3	80.4	81.1	81.6	81.6	82.1	82.2	83.1	83.1
GE 400	77.2	78.3	80.4	81.5	83.8	83.9	84.8	85.1	85.3	86.1	87.0	87.0	87.6	87.7	88.9	88.9
GE 300	78.0	79.1	81.9	83.1	85.9	86.6	88.6	89.2	89.4	90.5	91.7	91.8	92.5	92.9	94.9	95.1
GE 200	78.0	79.1	81.9	83.2	86.0	86.8	89.0	89.6	89.8	91.0	92.7	92.8	94.4	94.9	98.3	99.1
GE 100	78.0	79.1	81.9	83.2	86.0	86.8	89.0	89.6	89.8	91.0	92.7	92.8	94.4	94.9	98.6	99.8
GE 000	78.0	79.1	81.9	83.2	86.0	86.8	89.0	89.6	89.8	91.0	92.7	92.8	94.4	94.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 871

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.4	36.4	36.6	36.7	37.5	37.5	37.7	37.7	37.7	38.2	38.5	38.5	38.9	38.9	39.2	39.2
GE 20000	38.7	38.7	38.9	39.0	39.8	39.8	40.1	40.1	40.1	40.6	40.9	40.9	41.3	41.3	41.6	41.7
GE 18000	38.9	38.9	39.1	39.2	40.0	40.0	40.4	40.4	40.4	40.8	41.2	41.2	41.5	41.5	41.8	42.0
GE 16000	38.9	38.9	39.1	39.2	40.0	40.0	40.4	40.4	40.4	40.8	41.2	41.2	41.5	41.5	41.8	42.0
GE 14000	39.7	39.7	39.9	40.0	40.8	40.8	41.2	41.2	41.2	41.6	42.0	42.0	42.3	42.3	42.6	42.8
GE 12000	41.2	41.2	41.4	41.5	42.3	42.3	42.6	42.6	42.6	43.1	43.4	43.4	43.8	43.8	44.1	44.2
GE 10000	44.4	44.4	44.6	44.7	45.5	45.5	45.8	45.8	45.8	46.3	46.6	46.6	47.0	47.0	47.3	47.4
GE 9000	47.0	47.0	47.2	47.3	48.1	48.1	48.5	48.5	48.5	48.9	49.3	49.3	49.6	49.6	49.9	50.1
GE 8000	49.9	50.1	50.4	50.5	51.3	51.3	51.7	51.7	51.7	52.1	52.5	52.5	52.8	52.8	53.2	53.4
GE 7000	51.1	51.2	51.5	51.7	52.5	52.5	52.8	52.8	52.8	53.2	53.6	53.6	54.2	54.2	54.7	54.8
GE 6000	52.5	52.6	52.9	53.0	53.8	53.8	54.2	54.2	54.2	54.6	55.0	55.0	55.5	55.5	56.1	56.2
GE 5000	53.4	53.5	53.8	53.9	54.7	54.7	55.1	55.1	55.1	55.5	55.9	55.9	56.4	56.4	57.0	57.1
GE 4500	53.8	53.9	54.3	54.4	55.2	55.2	55.6	55.6	55.6	56.1	56.4	56.4	57.0	57.0	57.6	57.7
GE 4000	55.2	55.5	55.9	56.0	56.8	56.8	57.2	57.4	57.4	57.8	58.2	58.2	58.7	58.7	59.3	59.4
GE 3500	56.2	56.7	57.4	57.5	58.6	58.7	59.2	59.3	59.3	59.7	60.1	60.1	60.7	60.7	61.2	61.3
GE 3000	57.5	57.9	58.6	58.7	59.9	60.0	60.4	60.5	60.5	61.0	61.3	61.3	61.9	61.9	62.5	62.6
GE 2500	58.6	59.1	59.7	59.9	61.0	61.1	61.6	61.7	61.7	62.1	62.5	62.5	63.1	63.1	63.6	63.7
GE 2000	58.8	59.3	60.0	60.1	61.2	61.3	61.8	61.9	61.9	62.5	62.8	62.8	63.4	63.4	64.2	64.3
GE 1800	58.8	59.3	60.0	60.1	61.2	61.3	61.8	61.9	61.9	62.5	62.8	62.8	63.4	63.4	64.2	64.3
GE 1500	59.2	59.6	60.3	60.4	61.6	61.7	62.1	62.3	62.3	62.8	63.2	63.2	63.7	63.9	64.7	64.8
GE 1200	59.6	60.1	60.8	60.9	62.0	62.1	62.6	62.7	62.7	63.3	63.6	63.6	64.2	64.3	65.1	65.2
GE 1000	61.3	61.8	62.7	63.2	64.4	64.5	65.0	65.1	65.1	65.7	66.1	66.1	66.7	66.8	67.6	67.7
GE 900	62.1	62.6	63.5	64.0	65.2	65.3	65.8	65.9	65.9	66.5	66.9	66.9	67.5	67.6	68.4	68.5
GE 800	62.9	63.4	64.3	64.8	66.0	66.1	66.6	66.8	66.8	67.4	67.8	67.8	68.5	68.6	69.4	69.6
GE 700	63.9	64.4	65.3	65.8	67.0	67.2	67.7	68.0	68.0	68.6	69.2	69.2	70.1	70.2	71.4	71.5
GE 600	66.1	66.7	67.6	68.2	69.4	69.6	70.4	70.6	70.6	71.3	71.8	71.8	72.9	73.0	74.3	74.5
GE 500	70.1	70.7	72.1	72.9	74.3	74.6	75.5	75.8	75.9	76.9	77.5	77.5	78.8	79.1	80.6	80.7
GE 400	71.9	72.6	75.0	76.1	77.7	78.0	79.2	79.6	79.8	80.7	81.9	81.9	83.6	84.0	85.7	86.1
GE 300	72.9	73.7	76.5	78.0	80.6	81.5	83.8	84.6	84.8	86.3	87.9	87.9	90.0	90.5	92.7	93.4
GE 200	73.0	73.8	76.6	78.1	80.7	81.6	84.2	85.1	85.3	86.9	89.4	89.6	92.5	93.3	96.5	97.5
GE 100	73.0	73.8	76.6	78.1	80.7	81.6	84.2	85.1	85.3	86.9	89.4	89.6	92.8	93.6	97.4	99.9
GE 000	73.0	73.8	76.6	78.1	80.7	81.6	84.2	85.1	85.3	86.9	89.4	89.6	92.8	93.6	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.8	37.0	37.3	37.5	37.9	37.9	38.1	38.2	38.2	38.6	38.9	38.9	39.2	39.2	39.6	39.8
GE 20000	38.4	38.5	38.9	39.1	39.5	39.5	39.7	39.8	39.9	40.3	40.6	40.6	40.9	41.0	41.4	41.7
GE 18000	38.7	38.9	39.2	39.4	39.8	39.8	40.1	40.2	40.2	40.6	41.0	41.0	41.3	41.3	41.8	42.1
GE 16000	38.8	39.0	39.3	39.5	39.9	39.9	40.2	40.3	40.3	40.7	41.1	41.1	41.4	41.4	41.9	42.2
GE 14000	39.5	39.7	40.0	40.2	40.6	40.6	40.9	40.9	41.0	41.4	41.8	41.8	42.1	42.1	42.6	42.9
GE 12000	40.6	40.7	41.0	41.3	41.7	41.7	41.9	42.0	42.1	42.5	42.9	42.9	43.2	43.2	43.6	43.9
GE 10000	43.3	43.4	43.8	44.1	44.6	44.6	44.9	45.1	45.2	45.6	46.1	46.1	46.4	46.4	46.8	47.2
GE 9000	46.2	46.4	46.8	47.1	47.5	47.5	47.8	48.0	48.1	48.6	49.0	49.0	49.4	49.4	49.9	50.2
GE 8000	49.3	49.5	49.9	50.2	50.8	50.8	51.1	51.3	51.4	51.9	52.4	52.4	52.8	52.8	53.3	53.6
GE 7000	50.8	51.0	51.5	51.9	52.4	52.4	52.8	53.0	53.1	53.6	54.1	54.1	54.5	54.6	55.1	55.5
GE 6000	51.7	51.9	52.4	52.8	53.3	53.3	53.7	53.9	54.0	54.5	55.0	55.1	55.4	55.5	56.0	56.4
GE 5000	52.5	52.7	53.3	53.6	54.2	54.2	54.6	54.8	54.9	55.5	56.0	56.0	56.4	56.4	57.0	57.4
GE 4500	52.8	53.0	53.6	53.9	54.4	54.5	54.9	55.1	55.2	55.7	56.3	56.3	56.7	56.7	57.3	57.7
GE 4000	53.5	53.8	54.4	54.8	55.3	55.3	55.7	56.0	56.1	56.6	57.2	57.2	57.6	57.6	58.2	58.5
GE 3500	54.2	54.5	55.2	55.6	56.2	56.2	56.6	56.8	57.0	57.5	58.0	58.0	58.4	58.5	59.1	59.4
GE 3000	55.2	55.6	56.4	56.7	57.4	57.4	57.8	58.0	58.2	58.7	59.2	59.3	59.6	59.7	60.3	60.6
GE 2500	56.0	56.4	57.2	57.6	58.2	58.3	58.7	59.0	59.1	59.6	60.2	60.2	60.6	60.6	61.2	61.6
GE 2000	56.9	57.3	58.2	58.6	59.2	59.3	59.7	60.0	60.1	60.6	61.2	61.2	61.6	61.7	62.3	62.6
GE 1800	57.0	57.3	58.2	58.7	59.3	59.4	59.8	60.1	60.2	60.7	61.3	61.3	61.7	61.8	62.4	62.7
GE 1500	57.9	58.3	59.2	59.7	60.3	60.4	60.9	61.2	61.3	61.9	62.4	62.4	62.8	62.9	63.5	63.9
GE 1200	58.8	59.3	60.2	60.7	61.4	61.4	61.9	62.3	62.4	63.0	63.5	63.5	63.9	64.0	64.6	64.9
GE 1000	60.0	60.6	61.6	62.3	63.1	63.2	63.8	64.2	64.3	64.9	65.4	65.5	65.9	65.9	66.6	66.9
GE 900	60.9	61.5	62.5	63.2	64.0	64.1	64.7	65.1	65.2	65.8	66.4	66.4	66.8	66.9	67.5	67.8
GE 800	62.3	62.9	64.1	64.8	65.7	65.8	66.4	66.8	66.9	67.5	68.1	68.1	68.6	68.7	69.3	69.6
GE 700	64.0	64.7	66.0	66.7	67.7	67.8	68.5	68.9	69.0	69.7	70.3	70.3	70.8	70.9	71.6	72.0
GE 600	66.1	66.9	68.3	69.2	70.4	70.5	71.3	71.7	71.8	72.5	73.3	73.3	73.9	74.0	74.9	75.3
GE 500	68.7	69.6	71.5	72.6	74.2	74.3	75.3	75.8	76.0	76.9	77.8	77.8	78.5	78.6	79.6	80.1
GE 400	71.3	72.4	74.7	76.1	78.0	78.1	79.3	80.1	80.5	81.6	82.8	82.8	83.7	83.9	85.0	85.6
GE 300	72.1	73.3	76.0	77.9	80.3	80.8	82.9	84.3	84.8	86.6	88.4	88.5	90.2	90.6	92.3	93.0
GE 200	72.3	73.5	76.2	78.2	80.8	81.4	83.7	85.5	86.1	88.4	90.6	90.8	93.2	93.7	96.2	97.6
GE 100	72.3	73.5	76.2	78.2	80.8	81.4	83.7	85.5	86.1	88.4	90.8	90.9	93.7	94.3	97.5	99.6
GE 000	72.3	73.5	76.2	78.2	80.8	81.4	83.7	85.5	86.1	88.4	90.8	90.9	93.7	94.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6970

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.0	33.4	33.6	33.9	34.3	34.3	34.3	34.3	34.4	34.4	34.7	34.7	35.3	35.3	35.6	36.3
GE 20000	34.5	35.0	35.2	35.4	35.8	35.8	35.8	35.8	36.0	36.0	36.3	36.3	36.8	36.8	37.3	38.0
GE 18000	34.5	35.0	35.2	35.4	35.8	35.8	35.8	35.8	36.0	36.0	36.3	36.3	36.8	36.8	37.3	38.0
GE 16000	34.5	35.0	35.2	35.4	35.8	35.8	35.8	35.8	36.0	36.0	36.3	36.3	36.8	36.8	37.3	38.0
GE 14000	35.1	35.5	35.7	36.0	36.4	36.4	36.4	36.4	36.5	36.5	36.8	36.8	37.4	37.4	37.8	38.5
GE 12000	36.2	36.7	37.0	37.2	37.6	37.6	37.6	37.6	37.7	37.7	38.1	38.1	38.6	38.6	39.1	39.7
GE 10000	37.8	38.5	38.7	39.1	39.6	39.6	39.6	39.6	39.7	39.7	40.1	40.1	40.6	40.6	41.1	41.7
GE 9000	41.0	41.6	41.8	42.2	42.7	42.7	42.7	42.7	42.8	42.8	43.2	43.2	43.7	43.7	44.2	44.8
GE 8000	46.8	47.5	47.7	48.1	48.7	48.7	48.7	48.7	48.8	48.8	49.2	49.2	49.7	49.7	50.2	50.8
GE 7000	50.2	50.8	51.1	51.4	52.3	52.3	52.3	52.3	52.4	52.4	52.7	52.7	53.3	53.3	53.8	54.5
GE 6000	51.7	52.4	52.6	52.9	53.8	53.8	53.8	53.9	54.1	54.1	54.4	54.4	54.9	54.9	55.5	56.2
GE 5000	52.2	52.8	53.1	53.4	54.3	54.3	54.3	54.4	54.5	54.5	54.9	54.9	55.5	55.5	56.0	56.7
GE 4500	52.6	53.3	53.5	53.8	54.8	54.8	54.8	54.9	55.0	55.0	55.5	55.5	56.0	56.0	56.6	57.3
GE 4000	55.2	56.0	56.4	56.8	57.8	57.8	57.8	57.9	58.0	58.0	58.5	58.5	59.0	59.0	59.6	60.3
GE 3500	56.2	57.0	57.6	58.0	59.0	59.0	59.0	59.2	59.3	59.3	59.7	59.7	60.3	60.3	60.8	61.5
GE 3000	56.7	57.6	58.2	58.6	59.6	59.6	59.6	59.7	59.8	59.8	60.3	60.3	60.8	60.8	61.4	62.0
GE 2500	57.4	58.3	58.9	59.5	60.5	60.5	60.5	60.6	60.7	60.7	61.2	61.2	61.7	61.7	62.3	62.9
GE 2000	58.6	59.5	60.3	60.8	61.8	61.8	61.8	61.9	62.0	62.0	62.5	62.5	63.0	63.0	63.6	64.3
GE 1800	58.9	59.8	60.6	61.2	62.2	62.2	62.2	62.3	62.4	62.4	62.8	62.8	63.4	63.4	63.9	64.6
GE 1500	59.6	60.5	61.3	61.8	62.8	62.8	62.8	63.0	63.3	63.3	63.7	63.7	64.3	64.3	65.0	65.7
GE 1200	60.4	61.4	62.3	62.8	63.8	63.8	63.8	64.0	64.3	64.3	64.7	64.7	65.4	65.4	66.1	66.8
GE 1000	61.5	62.5	63.4	63.9	64.9	65.0	65.0	65.3	65.5	65.5	66.0	66.0	66.7	66.9	67.7	68.4
GE 900	62.3	63.4	64.3	64.8	65.8	65.9	65.9	66.1	66.4	66.4	67.0	67.0	67.7	67.9	68.7	69.4
GE 800	62.4	63.5	64.4	64.9	65.9	66.0	66.0	66.3	66.6	66.6	67.3	67.3	67.9	68.1	69.0	69.7
GE 700	63.2	64.3	65.1	65.7	66.9	67.0	67.0	67.3	67.6	67.6	68.4	68.4	69.0	69.3	70.1	70.8
GE 600	64.2	65.3	66.3	66.8	68.5	68.6	68.6	68.8	69.1	69.4	70.1	70.1	70.8	71.0	71.9	72.6
GE 500	65.3	66.5	67.5	68.0	69.8	69.9	70.0	70.4	70.8	71.1	72.0	72.0	72.7	72.9	74.0	74.9
GE 400	66.3	67.7	69.3	70.0	71.8	71.9	72.3	72.7	73.3	74.0	75.5	75.5	76.4	76.6	78.4	79.2
GE 300	66.7	68.4	70.4	71.5	73.8	74.0	74.5	75.4	76.5	77.5	78.9	78.9	81.0	81.4	83.9	84.9
GE 200	66.7	68.4	70.6	71.7	74.1	74.4	74.8	75.7	76.8	78.0	79.8	79.9	83.0	83.7	88.2	90.3
GE 100	66.7	68.4	70.6	71.7	74.1	74.4	74.8	75.7	76.8	78.0	79.9	80.0	83.5	84.1	91.1	96.8
GE 000	66.7	68.4	70.6	71.7	74.1	74.4	74.8	75.7	76.8	78.0	79.9	80.0	83.5	84.1	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 901

D - 2 - 55

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.9	27.1	27.2	27.3	27.4	27.7	27.7	27.7	27.7	27.8	28.3	28.3	28.8	29.2	30.1	30.5
GE 20000	28.1	28.3	28.5	28.6	28.8	29.0	29.0	29.0	29.0	29.1	29.6	29.6	30.2	30.6	31.6	32.3
GE 18000	28.2	28.4	28.6	28.8	28.9	29.1	29.1	29.1	29.1	29.2	29.7	29.7	30.3	30.7	31.7	32.4
GE 16000	28.3	28.5	28.8	28.9	29.0	29.2	29.2	29.2	29.2	29.3	29.9	29.9	30.4	30.8	31.8	32.5
GE 14000	29.0	29.2	29.4	29.5	29.6	29.9	29.9	29.9	29.9	30.0	30.5	30.5	31.1	31.5	32.5	33.2
GE 12000	29.5	29.7	30.0	30.1	30.2	30.4	30.4	30.4	30.4	30.5	31.1	31.1	31.6	32.1	33.0	33.7
GE 10000	32.2	32.4	32.6	32.8	33.0	33.3	33.3	33.3	33.3	33.4	33.9	33.9	34.5	34.9	35.9	36.6
GE 9000	33.7	33.9	34.1	34.4	34.6	34.8	34.8	34.8	34.8	34.9	35.5	35.5	36.1	36.6	37.5	38.2
GE 8000	38.7	39.0	39.3	39.5	39.7	40.0	40.0	40.0	40.0	40.1	40.6	40.6	41.3	41.7	42.7	43.4
GE 7000	42.4	42.6	42.9	43.1	43.4	43.6	43.6	43.6	43.6	43.7	44.2	44.2	44.9	45.3	46.4	47.1
GE 6000	43.9	44.1	44.5	44.7	45.0	45.2	45.2	45.2	45.2	45.3	45.9	45.9	46.5	47.1	48.2	49.1
GE 5000	44.9	45.1	45.4	45.7	46.0	46.2	46.2	46.2	46.2	46.4	47.1	47.1	47.9	48.4	49.5	50.4
GE 4500	45.3	45.6	45.9	46.1	46.5	46.8	46.8	46.8	46.8	47.2	47.9	47.9	48.6	49.2	50.3	51.2
GE 4000	48.2	48.5	48.8	49.1	49.5	49.7	49.7	49.7	49.7	50.2	50.9	50.9	51.7	52.3	53.5	54.3
GE 3500	48.6	49.0	49.3	49.5	49.9	50.2	50.2	50.2	50.2	50.6	51.4	51.4	52.1	52.7	53.9	54.8
GE 3000	49.3	49.6	49.9	50.2	50.6	50.8	50.8	50.8	50.8	51.3	52.0	52.0	52.8	53.3	54.6	55.4
GE 2500	50.1	50.4	50.7	50.9	51.4	51.6	51.6	51.6	51.6	52.0	52.8	52.8	53.7	54.2	55.4	56.3
GE 2000	51.8	52.1	52.5	52.8	53.2	53.5	53.5	53.5	53.5	53.9	54.9	54.9	55.8	56.3	57.5	58.4
GE 1800	51.8	52.1	52.6	52.9	53.3	53.6	53.6	53.6	53.6	54.0	55.0	55.0	55.9	56.4	57.6	58.5
GE 1500	53.3	53.7	54.3	54.8	55.2	55.4	55.4	55.4	55.4	56.0	57.0	57.0	58.0	58.5	59.9	61.0
GE 1200	53.7	54.1	54.9	55.3	55.9	56.1	56.1	56.1	56.1	56.8	58.0	58.0	58.9	59.5	60.9	62.0
GE 1000	54.4	54.9	55.8	56.3	57.0	57.2	57.2	57.2	57.2	57.8	59.1	59.1	60.0	60.6	62.0	63.1
GE 900	55.0	55.7	56.5	57.1	57.7	58.0	58.0	58.0	58.0	58.6	59.8	59.8	60.8	61.4	62.8	63.9
GE 800	55.7	56.4	57.4	58.0	58.6	58.8	58.8	58.8	58.8	59.5	60.7	60.7	61.9	62.5	63.9	65.0
GE 700	56.5	57.4	58.5	59.1	59.8	60.0	60.2	60.2	60.2	60.8	62.0	62.0	63.2	63.8	65.2	66.3
GE 600	57.5	58.5	59.6	60.2	61.1	61.5	61.6	62.0	62.0	62.8	64.0	64.0	65.4	66.0	67.5	68.6
GE 500	59.2	60.4	61.7	62.5	63.4	63.8	64.0	64.7	64.7	65.6	66.8	66.8	68.4	68.9	70.9	72.1
GE 400	60.5	61.7	63.2	64.1	65.3	65.6	66.0	66.6	66.6	67.8	69.3	69.3	71.1	71.7	73.9	75.3
GE 300	61.7	62.9	64.7	66.2	68.4	68.7	69.3	70.4	70.7	72.3	74.3	74.3	77.1	77.6	81.2	82.9
GE 200	61.8	63.0	64.9	66.4	68.6	68.9	69.7	71.0	71.4	73.9	76.2	76.2	79.4	80.5	87.2	89.9
GE 100	61.8	63.0	64.9	66.4	68.6	68.9	69.7	71.0	71.4	73.9	76.2	76.2	79.7	81.0	90.1	97.1
GE 000	61.8	63.0	64.9	66.4	68.6	68.9	69.7	71.0	71.4	73.9	76.2	76.2	79.7	81.0	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 911

D - 2 - 56

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.8	26.1	26.1	26.2	26.7	27.0	27.1	27.3	27.4	28.0	28.7	28.7	29.5	29.8	30.2	30.5
GE 20000	26.3	26.7	26.7	26.8	27.2	27.5	27.7	27.9	28.0	28.5	29.3	29.3	30.1	30.4	31.1	31.5
GE 18000	26.7	27.0	27.0	27.1	27.5	27.9	28.0	28.2	28.3	28.9	29.6	29.6	30.4	30.7	31.5	31.8
GE 16000	27.2	27.5	27.5	27.7	28.1	28.4	28.5	28.7	28.9	29.4	30.2	30.2	30.9	31.3	32.0	32.3
GE 14000	27.4	27.8	27.8	27.9	28.3	28.6	28.7	29.0	29.1	29.6	30.4	30.4	31.1	31.5	32.2	32.6
GE 12000	28.6	29.0	29.0	29.1	29.5	29.8	29.9	30.2	30.3	30.8	31.6	31.6	32.3	32.7	33.6	33.9
GE 10000	30.1	30.4	30.5	30.6	31.3	31.6	31.7	31.9	32.0	32.6	33.3	33.3	34.1	34.4	35.3	35.7
GE 9000	31.1	31.5	31.6	31.7	32.3	32.7	32.8	33.0	33.1	33.7	34.4	34.4	35.2	35.5	36.4	36.8
GE 8000	36.9	37.3	37.7	37.8	38.5	38.8	38.9	39.1	39.2	39.8	40.5	40.5	41.4	41.7	42.7	43.2
GE 7000	39.3	39.7	40.1	40.2	40.9	41.2	41.4	41.6	41.7	42.4	43.2	43.2	44.0	44.5	45.5	45.9
GE 6000	41.1	41.4	41.9	42.0	42.7	43.1	43.3	43.5	43.6	44.3	45.0	45.0	45.9	46.3	47.3	47.8
GE 5000	41.7	42.1	42.5	42.6	43.4	43.7	43.9	44.2	44.3	45.0	45.8	45.8	46.7	47.1	48.1	48.5
GE 4500	42.6	43.0	43.4	43.5	44.3	44.6	44.8	45.0	45.1	45.9	46.8	46.8	47.7	48.1	49.1	49.5
GE 4000	43.9	44.3	44.7	44.8	45.6	45.9	46.1	46.3	46.4	47.2	48.1	48.1	49.0	49.4	50.4	50.8
GE 3500	44.9	45.2	45.7	45.8	46.6	46.9	47.1	47.3	47.4	48.2	49.1	49.1	49.9	50.4	51.4	51.8
GE 3000	45.9	46.2	46.7	46.8	47.5	47.9	48.2	48.4	48.5	49.3	50.2	50.2	51.0	51.5	52.5	52.9
GE 2500	47.2	47.5	48.0	48.1	48.9	49.2	49.5	49.7	49.9	50.7	51.6	51.6	52.5	52.9	53.9	54.3
GE 2000	48.9	49.4	49.8	50.3	51.0	51.4	51.7	51.9	52.1	52.9	53.9	53.9	54.8	55.2	56.2	56.6
GE 1800	48.9	49.4	49.9	50.5	51.4	51.7	52.0	52.2	52.5	53.2	54.2	54.2	55.1	55.5	56.5	56.9
GE 1500	49.7	50.4	51.3	51.8	52.7	53.0	53.3	53.6	53.8	54.8	55.7	55.7	56.6	57.0	58.0	58.6
GE 1200	50.5	51.1	52.0	52.6	53.6	53.9	54.2	54.4	54.6	55.6	56.6	56.6	57.5	57.9	58.9	59.5
GE 1000	51.4	52.1	53.0	53.6	54.5	54.9	55.2	55.4	55.6	56.6	57.6	57.6	58.5	58.9	59.9	60.4
GE 900	51.7	52.5	53.3	53.9	54.9	55.2	55.5	55.7	56.0	56.9	57.9	57.9	58.8	59.2	60.2	60.8
GE 800	52.5	53.2	54.3	54.9	56.1	56.4	56.7	56.9	57.2	58.1	59.1	59.1	60.0	60.4	61.4	62.0
GE 700	53.4	54.2	55.4	56.1	57.3	57.6	58.0	58.3	58.5	59.5	60.4	60.4	61.3	61.7	62.7	63.3
GE 600	55.1	55.8	57.2	57.9	59.3	60.0	60.5	61.0	61.2	62.3	63.3	63.3	64.2	64.6	65.7	66.2
GE 500	57.8	58.6	60.5	61.4	63.3	64.0	64.6	65.2	65.5	66.6	67.8	67.8	68.6	69.1	70.2	70.8
GE 400	59.2	60.5	62.6	63.5	65.8	66.7	67.3	68.3	68.6	69.7	71.1	71.1	72.5	72.9	74.1	75.1
GE 300	60.5	62.1	64.6	65.6	68.3	69.3	71.1	72.7	73.1	74.9	77.5	77.5	79.6	80.1	81.9	83.1
GE 200	61.1	62.6	65.4	66.3	69.2	70.2	72.2	74.3	74.9	76.7	80.7	81.0	84.2	85.7	89.1	92.2
GE 100	61.1	62.6	65.4	66.3	69.2	70.2	72.2	74.3	74.9	76.7	80.9	81.2	84.7	86.3	91.8	97.6
GE 000	61.1	62.6	65.4	66.3	69.2	70.2	72.2	74.3	74.9	76.7	80.9	81.2	84.7	86.4	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.2	33.2	33.3	33.3	33.7	33.7	34.1	34.6	34.6	35.1	35.7	35.7	36.9	37.1	37.6	37.7
GE 20000	35.0	35.0	35.1	35.1	35.6	35.6	36.0	36.4	36.4	37.0	37.5	37.5	38.9	39.1	39.9	40.1
GE 18000	35.6	35.6	35.7	35.7	36.1	36.1	36.5	37.0	37.0	37.5	38.1	38.1	39.5	39.7	40.5	40.7
GE 16000	36.0	36.0	36.1	36.1	36.5	36.5	37.0	37.4	37.4	37.9	38.5	38.5	39.9	40.1	40.9	41.1
GE 14000	36.6	36.6	36.8	36.8	37.2	37.2	37.6	38.1	38.1	38.6	39.1	39.1	40.6	40.8	41.5	41.8
GE 12000	37.6	37.7	37.9	37.9	38.4	38.4	38.8	39.3	39.3	39.9	40.5	40.5	41.9	42.1	42.9	43.1
GE 10000	38.9	39.0	39.3	39.3	39.7	39.7	40.1	40.6	40.6	41.2	41.9	41.9	43.4	43.6	44.4	44.7
GE 9000	41.3	41.4	41.7	41.7	42.1	42.1	42.5	43.0	43.0	43.6	44.3	44.3	45.8	46.0	46.8	47.1
GE 8000	46.5	46.7	47.0	47.2	47.7	47.7	48.1	48.6	48.6	49.3	49.9	49.9	51.5	51.7	52.5	52.8
GE 7000	50.1	50.3	50.6	50.8	51.3	51.3	51.7	52.2	52.2	52.9	53.7	53.7	55.2	55.4	56.3	56.7
GE 6000	51.8	52.0	52.3	52.6	53.0	53.0	53.4	54.0	54.0	54.6	55.4	55.4	56.9	57.1	58.0	58.5
GE 5000	51.9	52.1	52.6	52.8	53.2	53.2	53.7	54.2	54.2	54.9	55.6	55.6	57.1	57.4	58.2	58.7
GE 4500	52.0	52.2	52.6	52.9	53.3	53.3	53.8	54.3	54.3	55.0	55.7	55.7	57.3	57.5	58.3	58.8
GE 4000	52.2	52.5	53.1	53.4	53.9	53.9	54.3	54.9	54.9	55.5	56.5	56.5	58.0	58.3	59.3	59.8
GE 3500	52.8	53.0	53.8	54.1	54.5	54.5	55.0	55.5	55.5	56.2	57.1	57.1	58.7	59.0	60.0	60.4
GE 3000	53.8	54.0	54.7	55.1	55.5	55.5	55.9	56.5	56.5	57.1	58.5	58.5	60.0	60.3	61.3	61.7
GE 2500	54.7	55.0	55.7	56.1	56.6	56.6	57.0	57.6	57.6	58.2	59.5	59.5	61.1	61.4	62.4	62.8
GE 2000	56.7	57.1	58.1	58.7	59.2	59.2	59.7	60.2	60.2	60.9	62.2	62.2	63.7	64.0	65.0	65.4
GE 1800	56.9	57.4	58.3	58.9	59.4	59.4	59.9	60.4	60.4	61.1	62.4	62.4	63.9	64.2	65.2	65.6
GE 1500	58.7	59.1	60.1	60.6	61.3	61.4	61.8	62.4	62.4	63.0	64.3	64.3	65.9	66.2	67.2	67.6
GE 1200	60.0	60.4	61.4	61.9	62.6	62.7	63.1	63.7	63.7	64.3	65.6	65.6	67.2	67.5	68.5	68.9
GE 1000	61.3	61.7	62.7	63.2	63.9	64.0	64.4	65.0	65.0	65.6	67.0	67.0	68.5	68.8	69.9	70.3
GE 900	61.4	61.8	62.8	63.4	64.0	64.1	64.6	65.1	65.1	65.8	67.1	67.1	68.6	68.9	70.0	70.4
GE 800	62.4	62.8	63.8	64.3	65.1	65.2	65.6	66.2	66.2	66.8	68.2	68.2	69.7	70.0	71.1	71.5
GE 700	63.2	63.8	64.8	65.3	66.2	66.3	66.7	67.3	67.3	67.9	69.2	69.2	70.8	71.1	72.2	72.6
GE 600	64.8	65.3	66.6	67.4	68.3	68.4	68.9	69.5	69.5	70.1	71.4	71.4	73.0	73.3	74.4	74.8
GE 500	66.1	66.7	68.3	69.0	70.1	70.8	71.6	72.3	72.3	73.2	74.7	74.7	76.4	76.8	78.2	78.7
GE 400	69.0	69.9	71.8	72.7	73.9	74.8	75.9	76.9	76.9	77.9	79.5	79.6	81.5	81.9	83.5	84.1
GE 300	70.7	71.5	73.4	74.8	76.7	77.5	79.0	80.3	80.4	82.2	85.3	85.5	87.9	88.5	90.8	91.5
GE 200	70.8	71.6	73.6	75.0	76.9	77.8	79.4	80.7	81.0	83.2	86.9	87.1	90.6	91.5	95.1	96.3
GE 100	70.8	71.6	73.6	75.0	76.9	77.8	79.4	80.7	81.0	83.2	86.9	87.1	90.9	91.9	96.7	98.8
GE 000	70.8	71.6	73.6	75.0	76.9	77.8	79.4	80.7	81.0	83.2	86.9	87.1	90.9	92.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 917

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.1	40.2	40.6	40.7	41.3	41.3	41.7	42.0	42.1	42.7	43.0	43.0	43.4	44.0	44.8	44.9
GE 20000	42.1	42.2	42.6	42.7	43.4	43.4	43.8	44.2	44.3	45.1	45.9	46.1	46.6	47.3	48.1	48.2
GE 18000	42.6	42.7	43.0	43.1	43.9	43.9	44.2	44.7	44.8	45.5	46.3	46.5	47.1	47.7	48.5	48.6
GE 16000	42.7	42.8	43.1	43.2	44.0	44.0	44.3	44.8	44.9	45.6	46.4	46.6	47.2	47.9	48.6	48.7
GE 14000	44.0	44.1	44.4	44.5	45.3	45.3	45.6	46.1	46.2	47.0	47.7	48.0	48.5	49.2	49.9	50.1
GE 12000	45.5	45.6	46.0	46.1	46.9	46.9	47.2	47.6	47.7	48.5	49.3	49.5	50.1	50.7	51.5	51.6
GE 10000	47.4	47.5	47.9	48.0	48.7	48.7	49.1	49.5	49.6	50.4	51.2	51.4	51.9	52.6	53.4	53.5
GE 9000	48.8	49.0	49.3	49.4	50.2	50.2	50.5	50.9	51.0	51.8	52.6	52.8	53.4	54.0	54.8	54.9
GE 8000	56.1	56.2	56.7	56.8	57.6	57.7	58.0	58.5	58.7	59.4	60.2	60.4	61.0	61.6	62.4	62.5
GE 7000	58.9	59.1	59.5	59.8	60.5	60.6	61.0	61.6	61.7	62.5	63.3	63.5	64.2	64.8	65.6	65.7
GE 6000	59.6	59.9	60.3	60.5	61.3	61.4	61.7	62.4	62.5	63.3	64.1	64.3	64.9	65.6	66.4	66.5
GE 5000	60.3	60.5	61.0	61.2	62.0	62.1	62.4	63.1	63.2	63.9	64.7	64.9	65.6	66.3	67.0	67.1
GE 4500	60.7	61.0	61.4	61.6	62.4	62.5	62.8	63.5	63.6	64.4	65.2	65.4	66.0	66.7	67.5	67.6
GE 4000	61.3	61.5	62.1	62.3	63.1	63.2	63.5	64.2	64.3	65.0	65.9	66.2	66.8	67.5	68.2	68.4
GE 3500	61.5	61.7	62.3	62.5	63.4	63.5	63.8	64.5	64.6	65.4	66.3	66.5	67.1	67.8	68.6	68.7
GE 3000	61.7	62.0	62.5	62.7	63.6	63.7	64.1	64.7	64.8	65.6	66.6	66.8	67.6	68.2	69.1	69.2
GE 2500	62.8	63.1	63.6	63.8	64.8	64.9	65.3	65.9	66.0	66.8	67.8	68.0	68.8	69.5	70.3	70.5
GE 2000	63.9	64.2	64.9	65.2	66.2	66.3	66.6	67.3	67.4	68.1	69.1	69.3	70.1	70.8	71.7	71.8
GE 1800	64.3	64.5	65.3	65.5	66.5	66.6	66.9	67.6	67.7	68.5	69.5	69.7	70.5	71.1	72.0	72.1
GE 1500	65.8	66.0	66.8	67.0	68.0	68.1	68.5	69.2	69.5	70.2	71.2	71.4	72.2	72.9	73.8	73.9
GE 1200	66.9	67.1	68.0	68.2	69.3	69.5	69.8	70.7	70.9	71.8	72.8	73.0	73.8	74.4	75.3	75.4
GE 1000	68.1	68.4	69.2	69.5	70.8	70.9	71.2	72.1	72.3	73.2	74.3	74.5	75.3	76.0	77.0	77.1
GE 900	68.8	69.0	69.9	70.1	71.6	71.7	72.0	72.9	73.1	74.0	75.1	75.3	76.1	76.7	77.8	77.9
GE 800	69.6	69.8	70.9	71.1	72.5	72.8	73.2	74.1	74.3	75.2	76.3	76.5	77.3	77.9	79.2	79.3
GE 700	69.9	70.1	71.3	71.6	73.3	73.5	74.0	74.9	75.1	76.0	77.1	77.3	78.4	79.1	80.3	80.4
GE 600	70.9	71.2	72.8	73.0	74.8	75.1	75.5	76.5	76.7	77.8	78.9	79.2	80.3	80.9	82.1	82.4
GE 500	71.8	72.1	73.8	74.0	76.2	76.6	77.1	78.4	78.7	79.9	81.1	81.4	82.7	83.4	84.6	84.8
GE 400	73.1	73.5	75.2	75.6	78.3	78.8	79.6	81.3	81.6	83.2	84.6	84.9	86.2	86.9	88.4	88.6
GE 300	73.8	74.4	76.2	76.7	79.7	80.4	81.5	83.4	83.8	87.0	88.6	89.1	91.2	92.2	94.0	94.5
GE 200	74.0	74.6	76.5	77.1	80.0	80.8	82.2	84.2	84.7	88.1	90.1	90.6	93.7	95.3	97.8	98.2
GE 100	74.0	74.6	76.5	77.1	80.0	80.8	82.2	84.2	84.7	88.1	90.2	90.7	93.9	95.5	98.8	99.3
GE 000	74.0	74.6	76.5	77.1	80.0	80.8	82.2	84.2	84.7	88.1	90.2	90.7	93.9	95.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 907



OPERATING LOCATION "A"  
USAFETAC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.4	40.5	40.9	40.9	41.3	41.3	41.6	41.9	42.0	42.3	43.0	43.0	43.4	43.6	43.9	43.9
GE 20000	43.1	43.2	43.8	43.8	44.2	44.2	44.4	44.8	45.0	45.3	46.2	46.3	47.0	47.1	47.4	47.6
GE 18000	43.8	43.9	44.4	44.4	44.9	44.9	45.1	45.4	45.6	46.0	46.9	47.0	47.6	47.7	48.2	48.4
GE 16000	44.3	44.4	45.0	45.0	45.4	45.4	45.6	46.0	46.2	46.5	47.4	47.5	48.2	48.3	48.7	49.0
GE 14000	45.3	45.4	46.0	46.0	46.4	46.4	46.6	47.0	47.2	47.5	48.4	48.5	49.2	49.3	49.7	49.9
GE 12000	47.9	48.0	48.5	48.5	49.0	49.0	49.2	49.5	49.7	50.1	50.9	51.0	51.7	51.8	52.3	52.5
GE 10000	50.1	50.2	50.7	50.7	51.2	51.2	51.4	51.7	51.9	52.3	53.1	53.3	53.9	54.0	54.5	54.7
GE 9000	52.5	52.6	53.1	53.1	53.6	53.6	53.8	54.1	54.4	54.7	55.6	55.7	56.3	56.4	56.9	57.1
GE 8000	59.6	59.9	60.5	60.6	61.1	61.1	61.3	61.6	61.9	62.2	63.1	63.2	63.8	63.9	64.4	64.6
GE 7000	63.1	63.3	63.9	64.1	64.5	64.5	64.7	65.0	65.3	65.6	66.5	66.6	67.4	67.5	67.9	68.1
GE 6000	63.5	63.7	64.4	64.5	64.9	64.9	65.2	65.5	65.7	66.0	66.9	67.0	67.8	67.9	68.4	68.6
GE 5000	63.7	63.9	64.6	64.7	65.2	65.2	65.4	65.7	65.9	66.3	67.1	67.3	68.0	68.1	68.6	68.8
GE 4500	63.8	64.1	64.7	64.8	65.3	65.3	65.5	65.8	66.0	66.4	67.3	67.4	68.1	68.2	68.7	68.9
GE 4000	65.4	65.6	66.3	66.4	66.8	66.8	67.0	67.4	67.6	67.9	68.8	68.9	69.7	69.8	70.2	70.5
GE 3500	65.8	66.0	66.8	67.0	67.5	67.5	67.7	68.0	68.2	68.6	69.5	69.6	70.3	70.5	70.9	71.1
GE 3000	66.8	67.0	68.0	68.2	68.7	68.7	68.9	69.2	69.5	69.8	70.7	70.8	71.6	71.7	72.1	72.3
GE 2500	67.7	67.9	69.0	69.2	69.7	69.7	69.9	70.2	70.5	70.8	71.7	71.8	72.5	72.7	73.1	73.3
GE 2000	69.7	70.0	71.2	71.6	72.0	72.0	72.2	72.5	72.8	73.1	74.0	74.1	74.9	75.0	75.4	75.6
GE 1800	69.7	70.0	71.2	71.6	72.0	72.0	72.2	72.5	72.8	73.1	74.0	74.1	74.9	75.0	75.4	75.6
GE 1500	69.7	70.0	71.4	71.9	72.3	72.3	72.5	72.9	73.1	73.4	74.3	74.4	75.2	75.3	75.7	76.0
GE 1200	70.7	71.0	72.5	73.2	73.8	73.8	74.0	74.3	74.5	75.0	75.9	76.0	76.7	76.8	77.3	77.5
GE 1000	71.0	71.3	72.9	73.5	74.1	74.1	74.3	74.6	74.9	75.3	76.2	76.3	77.1	77.2	77.6	77.8
GE 900	71.7	72.0	73.5	74.2	74.8	74.8	75.2	75.5	75.7	76.2	77.2	77.3	78.1	78.2	78.8	79.1
GE 800	72.0	72.3	73.9	74.5	75.1	75.1	75.6	76.0	76.2	76.6	77.7	77.8	78.6	78.7	79.4	79.6
GE 700	73.1	73.4	75.0	75.6	76.2	76.2	76.7	77.1	77.3	77.7	78.8	78.9	79.7	79.8	80.5	80.7
GE 600	73.8	74.1	75.7	76.4	77.0	77.1	77.7	78.2	78.5	79.2	80.3	80.4	81.3	81.4	82.0	82.2
GE 500	75.3	75.7	77.7	78.4	79.2	79.5	80.2	80.6	81.0	81.9	83.0	83.1	84.0	84.1	84.8	85.0
GE 400	76.6	77.3	79.3	80.3	81.1	81.6	82.2	82.8	83.4	84.3	85.8	85.9	87.2	87.4	88.3	88.8
GE 300	77.6	78.3	80.5	81.7	82.6	83.0	84.1	85.2	85.8	87.5	89.6	90.1	92.5	93.2	94.0	94.5
GE 200	77.8	78.5	80.7	81.9	82.8	83.2	84.5	85.8	86.3	88.2	90.4	91.0	93.8	94.6	96.4	97.0
GE 100	77.8	78.5	80.7	81.9	82.8	83.2	84.5	85.8	86.3	88.3	90.7	91.3	94.8	95.7	98.3	99.7
GE 000	77.8	78.5	80.7	81.9	82.8	83.2	84.5	85.8	86.3	88.3	90.7	91.3	94.8	95.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.1	38.1	38.2	38.3	38.7	38.7	38.9	38.9	39.0	39.3	39.7	39.7	40.2	40.2	40.5	40.9
GE 20000	40.2	40.2	40.4	40.5	41.0	41.0	41.3	41.3	41.4	41.6	42.1	42.1	42.7	42.7	43.0	43.5
GE 18000	40.7	40.7	40.9	41.0	41.6	41.6	41.8	41.8	41.9	42.1	42.8	42.8	43.5	43.5	43.8	44.4
GE 16000	40.9	40.9	41.2	41.3	41.8	41.8	42.0	42.0	42.1	42.4	43.0	43.0	43.7	43.7	44.0	44.6
GE 14000	41.2	41.2	41.4	41.5	42.0	42.0	42.3	42.3	42.4	42.6	43.3	43.3	43.9	43.9	44.2	44.8
GE 12000	43.4	43.4	43.6	43.7	44.2	44.2	44.5	44.5	44.6	44.8	45.6	45.6	46.2	46.2	46.6	47.1
GE 10000	46.6	46.6	46.8	46.9	47.5	47.5	47.7	47.7	47.8	48.0	48.8	48.8	49.7	49.7	50.1	50.7
GE 9000	50.9	50.9	51.1	51.2	51.8	51.8	52.0	52.0	52.1	52.3	53.1	53.1	54.0	54.0	54.4	55.0
GE 8000	57.4	57.4	57.9	58.1	58.7	58.7	59.0	59.0	59.1	59.3	60.2	60.2	61.1	61.1	61.5	62.1
GE 7000	60.7	60.7	61.4	61.6	62.3	62.3	62.5	62.5	62.6	62.8	63.7	63.7	64.6	64.6	65.0	65.6
GE 6000	61.8	61.8	62.5	62.7	63.4	63.4	63.6	63.6	63.7	63.9	64.8	64.8	65.7	65.7	66.2	66.7
GE 5000	62.4	62.4	63.1	63.3	63.9	63.9	64.2	64.2	64.3	64.5	65.4	65.4	66.3	66.3	66.7	67.3
GE 4500	62.7	62.7	63.4	63.6	64.3	64.3	64.5	64.5	64.6	64.8	65.7	65.7	66.6	66.6	67.0	67.6
GE 4000	64.9	64.9	65.7	65.9	66.7	66.7	66.9	66.9	67.0	67.3	68.1	68.1	69.0	69.0	69.5	70.0
GE 3500	65.6	65.6	66.4	66.6	67.4	67.4	67.6	67.6	67.7	67.9	68.8	68.8	69.7	69.7	70.1	70.7
GE 3000	67.1	67.1	67.9	68.1	69.0	69.0	69.2	69.2	69.4	69.6	70.5	70.5	71.3	71.3	71.8	72.3
GE 2500	67.9	67.9	68.7	68.9	69.8	69.8	70.0	70.0	70.1	70.4	71.2	71.2	72.1	72.1	72.6	73.1
GE 2000	70.1	70.1	70.9	71.1	72.0	72.0	72.2	72.2	72.6	72.8	73.7	73.7	74.6	74.6	75.0	75.6
GE 1800	70.1	70.1	70.9	71.1	72.0	72.0	72.2	72.2	72.6	72.8	73.7	73.7	74.6	74.6	75.0	75.6
GE 1500	70.8	70.8	71.6	72.1	73.0	73.0	73.2	73.2	73.6	73.8	74.7	74.7	75.6	75.6	76.0	76.5
GE 1200	71.3	71.5	72.6	73.2	74.1	74.1	74.3	74.3	74.7	74.9	75.8	75.8	76.7	76.7	77.1	77.7
GE 1000	71.7	71.8	72.9	73.6	74.4	74.4	74.7	74.7	75.0	75.2	76.1	76.1	77.0	77.0	77.4	78.0
GE 900	71.8	72.0	73.1	73.8	74.7	74.8	75.2	75.2	75.6	75.8	76.7	76.7	77.5	77.5	78.1	78.8
GE 800	72.2	72.5	73.6	74.2	75.1	75.2	75.7	75.7	76.0	76.2	77.1	77.1	78.0	78.0	78.5	79.2
GE 700	72.6	72.8	74.1	74.8	75.7	75.8	76.2	76.2	76.5	76.8	77.7	77.7	78.5	78.5	79.1	79.9
GE 600	72.7	73.1	74.4	75.1	76.2	76.3	76.8	76.8	77.4	77.7	78.5	78.5	79.4	79.4	80.1	81.0
GE 500	73.2	73.7	75.3	76.0	77.2	77.3	78.0	78.0	78.8	79.0	79.9	79.9	80.8	80.9	81.5	82.4
GE 400	74.8	75.4	77.5	78.2	79.5	79.6	80.4	80.9	81.6	82.0	83.3	83.3	84.7	85.1	86.2	87.5
GE 300	75.0	75.7	78.1	78.8	80.6	80.8	82.4	83.1	84.3	85.0	86.9	87.1	89.2	89.9	91.4	93.0
GE 200	75.1	75.8	78.2	79.0	80.9	81.0	82.6	83.3	84.5	85.2	87.4	87.5	90.3	91.6	93.8	95.7
GE 100	75.1	75.8	78.2	79.0	80.9	81.0	82.6	83.4	84.6	85.4	87.7	87.8	91.3	92.8	95.8	98.8
GE 000	75.1	75.8	78.2	79.0	80.9	81.0	82.6	83.4	84.6	85.4	87.7	87.8	91.3	92.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 904

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.2	32.3	32.5	32.6	33.4	33.4	33.4	33.4	33.5	33.7	34.2	34.4	34.7	34.8	35.1	35.8
GE 20000	34.7	34.8	35.0	35.1	35.9	35.9	35.9	35.9	36.0	36.2	36.8	36.9	37.2	37.3	37.7	38.4
GE 18000	34.8	34.9	35.1	35.2	36.0	36.0	36.0	36.0	36.1	36.3	36.9	37.0	37.3	37.4	37.8	38.8
GE 16000	34.8	34.9	35.1	35.2	36.0	36.0	36.0	36.0	36.1	36.3	36.9	37.0	37.3	37.4	37.8	38.8
GE 14000	35.3	35.4	35.7	35.8	36.5	36.5	36.5	36.5	36.6	36.9	37.4	37.5	37.8	37.9	38.4	39.4
GE 12000	37.9	38.1	38.3	38.4	39.1	39.1	39.1	39.1	39.3	39.5	40.0	40.1	40.5	40.6	41.0	42.0
GE 10000	39.6	39.8	40.2	40.5	41.3	41.3	41.3	41.3	41.4	41.7	42.2	42.3	42.7	43.0	43.4	44.4
GE 9000	43.4	43.6	44.1	44.3	45.1	45.1	45.1	45.1	45.3	45.5	46.0	46.1	46.8	47.0	47.4	48.4
GE 8000	50.8	51.0	51.5	51.7	52.7	52.7	52.7	52.7	52.8	53.0	53.7	53.9	54.5	54.9	55.3	56.3
GE 7000	53.5	53.9	54.4	54.6	55.6	55.6	55.6	55.6	55.7	55.9	56.6	56.8	57.5	57.9	58.3	59.3
GE 6000	54.5	54.9	55.4	55.6	56.6	56.6	56.6	56.6	56.7	56.9	57.6	57.8	58.5	58.9	59.3	60.3
GE 5000	54.9	55.2	55.9	56.2	57.3	57.3	57.3	57.3	57.4	57.6	58.2	58.5	59.1	59.5	60.0	61.0
GE 4500	55.0	55.3	56.1	56.3	57.4	57.4	57.4	57.4	57.5	57.7	58.3	58.6	59.2	59.7	60.1	61.1
GE 4000	58.1	58.6	59.3	59.5	60.7	60.7	60.7	60.7	60.9	61.1	61.7	61.9	62.6	63.0	63.5	64.4
GE 3500	59.1	59.5	60.3	60.5	61.7	61.7	61.7	61.7	61.8	62.1	62.7	62.9	63.6	64.0	64.4	65.4
GE 3000	60.4	60.9	61.6	61.8	63.0	63.0	63.0	63.0	63.1	63.4	64.0	64.2	64.9	65.3	65.8	66.7
GE 2500	61.7	62.2	62.9	63.1	64.3	64.3	64.3	64.3	64.4	64.7	65.3	65.5	66.2	66.6	67.1	68.0
GE 2000	63.6	64.0	64.9	65.1	66.4	66.4	66.4	66.4	66.6	66.8	67.5	67.7	68.4	68.8	69.2	70.2
GE 1800	63.7	64.1	65.0	65.2	66.5	66.5	66.5	66.5	66.7	67.0	67.6	67.8	68.5	68.9	69.4	70.3
GE 1500	65.0	65.5	66.4	66.7	68.0	68.0	68.0	68.0	68.5	68.7	69.4	69.6	70.2	70.7	71.1	72.1
GE 1200	65.9	66.5	67.4	67.8	69.2	69.2	69.2	69.2	69.7	69.9	70.6	70.8	71.4	71.9	72.3	73.3
GE 1000	66.2	66.8	67.7	68.2	69.6	69.6	69.6	69.6	70.0	70.2	70.9	71.1	71.8	72.2	72.6	73.6
GE 900	66.4	67.1	67.9	68.4	69.8	70.1	70.1	70.1	70.6	70.8	71.5	71.8	72.4	72.8	73.4	74.5
GE 800	66.6	67.3	68.2	68.6	70.0	70.3	70.3	70.3	70.8	71.0	71.8	72.0	72.6	73.1	73.6	74.7
GE 700	67.1	67.7	68.6	69.0	70.6	70.9	70.9	70.9	71.3	71.5	72.3	72.5	73.2	73.6	74.3	75.4
GE 600	68.5	69.1	70.0	70.6	72.6	73.0	73.1	73.1	73.7	74.2	75.0	75.2	76.0	76.4	77.1	78.2
GE 500	69.2	69.9	70.9	71.4	73.7	74.0	74.3	74.3	74.9	75.4	76.2	76.4	77.4	78.0	78.6	79.7
GE 400	70.7	71.4	72.7	73.8	76.6	77.1	77.8	78.0	78.6	79.5	80.8	81.0	82.1	82.7	84.0	85.8
GE 300	70.8	71.6	73.2	74.3	77.1	78.0	79.0	79.2	80.0	81.4	83.2	83.4	85.9	86.8	89.0	91.1
GE 200	70.8	71.6	73.2	74.6	77.6	78.5	79.7	79.9	80.8	82.3	84.5	84.7	87.7	89.4	92.8	95.9
GE 100	70.8	71.6	73.2	74.6	77.6	78.5	79.7	79.9	80.8	82.3	84.6	84.8	88.1	89.9	93.7	98.0
GE 000	70.8	71.6	73.2	74.6	77.6	78.5	79.7	79.9	80.8	82.3	84.6	84.8	88.1	89.9	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 917

D - 2 - 62

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.7	33.8	34.0	34.1	34.6	34.7	34.8	35.0	35.1	35.4	35.9	35.9	36.5	36.7	37.2	37.5
GE 20000	35.5	35.7	35.9	36.0	36.5	36.5	36.7	36.9	37.0	37.3	37.9	38.0	38.7	38.9	39.5	39.9
GE 18000	35.8	36.0	36.2	36.3	36.8	36.9	37.1	37.2	37.3	37.7	38.3	38.4	39.0	39.3	39.9	40.4
GE 16000	36.1	36.2	36.5	36.6	37.1	37.1	37.3	37.5	37.6	37.9	38.5	38.6	39.3	39.5	40.1	40.6
GE 14000	36.7	36.9	37.1	37.2	37.7	37.8	37.9	38.1	38.2	38.6	39.2	39.2	39.9	40.2	40.8	41.3
GE 12000	38.3	38.5	38.8	38.9	39.3	39.4	39.6	39.8	39.9	40.2	40.9	40.9	41.6	41.8	42.5	42.9
GE 10000	40.3	40.5	40.8	41.0	41.5	41.6	41.8	41.9	42.0	42.4	43.0	43.1	43.8	44.1	44.7	45.2
GE 9000	42.8	43.0	43.3	43.5	44.0	44.1	44.3	44.4	44.5	44.9	45.6	45.6	46.4	46.6	47.3	47.8
GE 8000	49.1	49.3	49.8	50.0	50.6	50.6	50.8	51.0	51.1	51.5	52.2	52.2	53.0	53.3	53.9	54.4
GE 7000	52.2	52.5	53.0	53.2	53.8	53.9	54.1	54.3	54.4	54.8	55.5	55.5	56.4	56.6	57.3	57.9
GE 6000	53.5	53.8	54.2	54.4	55.1	55.2	55.3	55.6	55.7	56.0	56.7	56.8	57.6	57.9	58.6	59.2
GE 5000	54.0	54.3	54.7	55.0	55.6	55.7	55.9	56.1	56.2	56.6	57.3	57.4	58.2	58.6	59.3	59.8
GE 4500	54.3	54.6	55.1	55.3	56.0	56.1	56.3	56.5	56.6	57.0	57.8	57.8	58.7	59.0	59.7	60.2
GE 4000	56.1	56.5	57.0	57.3	58.0	58.1	58.2	58.5	58.6	59.0	59.8	59.9	60.7	61.0	61.8	62.3
GE 3500	56.8	57.1	57.7	58.0	58.7	58.8	59.0	59.2	59.3	59.7	60.5	60.6	61.5	61.8	62.5	63.0
GE 3000	57.7	58.0	58.7	58.9	59.7	59.8	60.0	60.2	60.3	60.7	61.6	61.6	62.5	62.8	63.5	64.1
GE 2500	58.7	59.0	59.7	59.9	60.7	60.8	61.0	61.2	61.3	61.8	62.6	62.7	63.6	63.9	64.6	65.1
GE 2000	60.4	60.8	61.6	61.9	62.7	62.8	63.0	63.2	63.4	63.8	64.7	64.8	65.6	65.9	66.7	67.2
GE 1800	60.5	60.9	61.7	62.1	62.9	63.0	63.2	63.4	63.6	64.0	64.9	64.9	65.8	66.1	66.9	67.4
GE 1500	61.6	62.0	62.9	63.3	64.2	64.3	64.4	64.7	64.9	65.4	66.3	66.3	67.2	67.5	68.3	68.9
GE 1200	62.4	62.9	63.9	64.4	65.3	65.4	65.6	65.8	66.0	66.5	67.5	67.5	68.4	68.7	69.5	70.1
GE 1000	63.2	63.7	64.7	65.2	66.1	66.2	66.4	66.7	66.9	67.4	68.4	68.4	69.3	69.7	70.5	71.1
GE 900	63.6	64.2	65.2	65.7	66.6	66.8	67.0	67.3	67.5	68.0	69.0	69.1	70.0	70.3	71.2	71.8
GE 800	64.1	64.7	65.8	66.3	67.3	67.5	67.7	68.0	68.2	68.7	69.7	69.8	70.7	71.1	72.0	72.6
GE 700	64.9	65.4	66.6	67.1	68.2	68.4	68.7	69.0	69.2	69.7	70.7	70.8	71.8	72.1	73.0	73.7
GE 600	65.9	66.5	67.8	68.4	69.7	70.0	70.3	70.7	71.0	71.7	72.7	72.8	73.8	74.1	75.1	75.7
GE 500	67.2	67.9	69.4	70.1	71.6	72.0	72.5	73.0	73.3	74.1	75.2	75.3	76.4	76.7	77.8	78.6
GE 400	68.8	69.7	71.4	72.3	74.0	74.5	75.2	75.9	76.3	77.3	78.7	78.8	80.2	80.6	82.1	83.0
GE 300	69.6	70.6	72.6	73.7	75.9	76.5	77.6	78.7	79.3	81.0	83.0	83.2	85.5	86.2	88.3	89.4
GE 200	69.7	70.8	72.9	74.0	76.3	76.8	78.1	79.4	80.0	81.9	84.5	84.8	87.8	89.0	92.5	94.4
GE 100	69.7	70.8	72.9	74.0	76.3	76.8	78.1	79.4	80.1	82.0	84.6	84.9	88.4	89.7	94.5	98.3
GE 000	69.7	70.8	72.9	74.0	76.3	76.8	78.1	79.4	80.1	82.0	84.6	84.9	88.4	89.7	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7279

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4
NO CEIL	17.6	17.6	17.7	17.7	18.2	18.2	18.2	18.4	18.6	18.7	18.8	18.8	19.2	19.5	19.8
GE 20000	19.2	19.2	19.3	19.3	19.7	19.7	19.7	19.9	20.1	20.2	20.5	20.5	20.9	21.2	21.7
GE 18000	19.7	19.7	19.8	19.8	20.2	20.2	20.2	20.5	20.7	20.8	21.0	21.0	21.4	21.8	22.2
GE 16000	19.7	19.7	19.8	19.8	20.2	20.2	20.2	20.5	20.7	20.8	21.0	21.0	21.4	21.8	22.2
GE 14000	20.1	20.1	20.2	20.2	20.7	20.7	20.7	20.9	21.1	21.2	21.4	21.4	21.9	22.2	22.6
GE 12000	22.1	22.1	22.2	22.2	22.6	22.6	22.6	22.9	23.1	23.2	23.4	23.4	23.8	24.2	24.6
GE 10000	24.0	24.0	24.2	24.2	24.6	24.6	24.6	24.8	25.0	25.1	25.4	25.4	26.0	26.3	26.8
GE 9000	25.4	25.4	25.5	25.5	25.9	25.9	25.9	26.1	26.6	26.7	26.9	26.9	27.5	27.9	28.3
GE 8000	30.9	30.9	31.0	31.0	31.4	31.4	31.4	31.7	32.2	32.3	32.6	32.6	33.3	33.6	34.2
GE 7000	36.0	36.0	36.1	36.1	36.7	36.7	36.7	36.9	37.4	37.5	37.9	37.9	38.5	38.8	39.5
GE 6000	36.9	36.9	37.0	37.0	37.5	37.5	37.5	37.8	38.3	38.4	38.7	38.7	39.4	39.7	40.4
GE 5000	39.1	39.1	39.2	39.2	39.8	39.8	39.8	40.0	40.6	40.7	41.0	41.0	41.7	42.1	42.8
GE 4500	40.2	40.2	40.3	40.3	40.9	40.9	40.9	41.1	41.7	41.8	42.1	42.1	42.8	43.2	43.9
GE 4000	43.1	43.1	43.3	43.3	44.0	44.0	44.0	44.2	44.7	44.8	45.2	45.2	46.0	46.5	47.3
GE 3500	44.5	44.5	44.8	44.8	45.5	45.5	45.5	45.7	46.2	46.4	46.7	46.7	47.6	48.0	48.9
GE 3000	46.7	46.8	47.1	47.1	47.8	47.8	47.8	48.1	48.6	48.9	49.2	49.2	50.2	50.7	51.7
GE 2500	49.3	49.4	50.1	50.1	50.9	50.9	51.0	51.4	51.9	52.1	52.4	52.4	53.4	54.0	55.0
GE 2000	50.7	50.8	51.6	51.6	52.9	52.9	53.0	53.3	53.9	54.1	54.4	54.4	55.4	55.9	56.9
GE 1800	51.1	51.3	52.0	52.0	53.3	53.3	53.5	53.9	54.4	54.6	55.0	55.0	55.9	56.5	57.6
GE 1500	52.8	53.0	53.9	53.9	55.3	55.4	55.7	56.0	56.6	56.8	57.1	57.1	58.1	58.7	59.7
GE 1200	56.0	56.3	57.5	57.7	59.3	59.7	60.1	60.7	61.3	61.5	62.0	62.0	63.0	63.5	64.6
GE 1000	58.0	58.2	59.6	60.0	62.0	62.6	63.0	63.8	64.3	64.5	65.2	65.2	66.3	66.9	68.0
GE 900	59.2	59.4	60.8	61.2	63.2	63.8	64.2	65.0	65.5	65.7	66.4	66.4	67.5	68.1	69.2
GE 800	60.3	60.7	62.2	62.6	65.1	65.7	66.4	67.4	67.9	68.2	68.9	68.9	70.0	70.6	71.7
GE 700	61.0	61.5	63.0	63.4	66.3	66.9	67.7	69.0	69.6	70.0	70.6	70.6	71.7	72.4	73.7
GE 600	62.1	62.6	64.1	64.6	67.5	68.1	68.9	70.4	71.1	71.6	72.4	72.4	73.6	74.2	75.6
GE 500	64.1	64.5	66.2	67.0	70.2	70.9	71.9	73.6	74.2	74.9	75.7	75.7	76.9	77.6	79.1
GE 400	65.4	65.9	68.0	69.0	72.1	72.9	74.5	77.1	77.8	78.7	80.3	80.3	82.4	83.2	85.0
GE 300	65.4	65.9	68.1	69.1	72.9	73.8	75.5	78.2	79.0	80.0	82.3	82.3	85.1	86.3	89.6
GE 200	65.4	65.9	68.3	69.3	73.2	74.2	76.0	79.0	79.8	80.7	83.6	83.6	87.5	88.9	92.7
GE 100	65.4	65.9	68.3	69.3	73.2	74.2	76.0	79.0	79.8	80.7	83.6	83.6	87.5	88.9	93.7
GE 000	65.4	65.9	68.3	69.3	73.2	74.2	76.0	79.1	79.9	80.8	83.7	83.7	87.6	89.0	93.9

TOTAL NUMBER OF OBSERVATIONS 919

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.1	17.2	17.2	17.3	17.3	17.3	17.8	18.0	18.0	18.2	18.4	18.4	19.0	19.2	19.8	20.3
GE 20000	18.1	18.2	18.2	18.3	18.4	18.4	18.9	19.1	19.2	19.5	19.8	19.8	20.4	20.6	21.2	21.9
GE 18000	18.7	18.9	18.9	19.0	19.1	19.1	19.5	19.7	19.8	20.2	20.5	20.5	21.0	21.2	21.9	22.5
GE 16000	18.9	19.0	19.0	19.1	19.2	19.2	19.6	19.8	19.9	20.3	20.6	20.6	21.1	21.3	22.0	22.6
GE 14000	19.3	19.4	19.4	19.5	19.6	19.6	20.0	20.3	20.4	20.7	21.0	21.0	21.6	21.8	22.4	23.1
GE 12000	20.2	20.3	20.3	20.4	20.5	20.5	20.9	21.1	21.2	21.6	21.9	21.9	22.4	22.6	23.3	23.9
GE 10000	22.3	22.4	22.4	22.5	22.6	22.6	23.1	23.3	23.4	23.7	24.2	24.2	24.7	24.9	25.7	26.3
GE 9000	23.8	23.9	23.9	24.1	24.2	24.2	24.6	24.8	24.9	25.2	25.7	25.7	26.2	26.4	27.2	28.1
GE 8000	29.6	29.7	29.7	29.8	29.9	30.0	30.4	30.7	30.8	31.3	31.7	31.7	32.3	32.5	33.3	34.1
GE 7000	32.9	33.0	33.2	33.3	33.4	33.5	33.9	34.1	34.2	34.8	35.2	35.2	35.9	36.1	36.9	37.8
GE 6000	34.8	34.9	35.0	35.3	35.4	35.5	36.0	36.2	36.3	36.8	37.3	37.3	37.9	38.1	39.0	39.9
GE 5000	36.9	37.1	37.4	37.8	38.1	38.2	38.7	38.9	39.0	39.5	40.0	40.0	40.7	41.0	41.8	42.7
GE 4500	37.8	37.9	38.2	38.7	39.0	39.1	39.5	39.8	39.9	40.4	40.8	40.8	41.6	41.8	42.7	43.6
GE 4000	39.8	40.0	40.5	41.0	41.3	41.4	41.8	42.0	42.1	42.7	43.2	43.2	44.3	44.5	45.4	46.3
GE 3500	41.5	41.7	42.4	42.8	43.2	43.3	43.8	44.0	44.1	44.6	45.2	45.2	46.3	46.5	47.3	48.2
GE 3000	42.7	42.9	43.6	44.1	44.6	44.7	45.2	45.4	45.6	46.3	46.8	46.8	47.9	48.1	49.0	50.1
GE 2500	45.3	45.6	46.3	46.8	47.3	47.5	47.9	48.1	48.3	49.0	49.5	49.5	50.6	50.8	51.7	52.8
GE 2000	47.3	47.7	48.3	49.0	49.7	49.8	50.3	50.5	50.7	51.4	51.9	51.9	53.0	53.2	54.1	55.1
GE 1800	47.3	47.7	48.4	49.2	49.9	50.1	50.5	50.7	50.9	51.6	52.1	52.1	53.3	53.5	54.5	55.6
GE 1500	49.1	49.7	50.6	51.6	52.3	52.7	53.1	53.3	53.5	54.2	54.7	54.7	55.9	56.1	57.1	58.2
GE 1200	51.9	52.8	53.7	54.7	55.8	56.1	56.7	57.3	57.6	58.5	59.0	59.0	60.2	60.5	61.4	62.5
GE 1000	54.3	55.1	56.6	57.5	59.0	59.6	60.2	61.1	61.4	62.3	62.8	62.8	64.1	64.4	65.4	66.5
GE 900	55.5	56.3	57.7	58.7	60.2	60.8	61.4	62.5	62.8	63.7	64.4	64.4	65.7	65.9	67.0	68.0
GE 800	56.8	57.6	59.2	60.3	62.0	62.5	63.2	64.4	64.7	65.5	66.2	66.2	67.5	67.7	68.8	69.9
GE 700	58.8	59.8	61.6	62.8	64.6	65.1	65.8	67.2	67.7	68.6	69.6	69.6	70.9	71.1	72.2	73.2
GE 600	59.5	60.5	62.9	64.4	66.4	67.0	67.7	69.2	69.8	70.7	71.7	71.7	73.0	73.2	74.6	75.7
GE 500	62.1	63.2	66.3	67.9	70.5	71.1	71.9	73.8	74.4	75.4	76.4	76.4	77.8	78.0	79.4	80.7
GE 400	62.9	64.0	67.3	68.9	71.6	72.2	73.2	76.5	77.2	78.3	79.6	79.6	81.9	82.1	83.9	85.2
GE 300	63.1	64.1	67.5	69.3	72.4	73.0	74.2	78.0	79.0	80.2	82.4	82.6	85.9	86.1	88.6	90.8
GE 200	63.1	64.1	67.6	69.4	72.5	73.1	74.4	78.5	79.5	81.0	84.1	84.2	88.4	88.6	91.9	94.9
GE 100	63.1	64.1	67.6	69.4	72.5	73.1	74.4	78.5	79.5	81.0	84.2	84.3	88.7	89.3	93.6	98.2
GE 000	63.1	64.1	67.6	69.4	72.5	73.1	74.4	78.5	79.5	81.0	84.2	84	88.7	89.3	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 923

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.0	17.1	17.1	17.1	17.3	17.4	17.4	17.5	17.5	17.8	18.2	18.2	18.4	18.6	19.3	19.8
GE 20000	17.8	17.9	17.9	17.9	18.1	18.2	18.2	18.3	18.3	18.6	19.1	19.1	19.3	19.5	20.3	20.9
GE 18000	18.4	18.5	18.5	18.5	18.8	18.9	18.9	19.0	19.0	19.3	19.7	19.7	20.0	20.2	20.9	21.6
GE 16000	18.6	18.8	18.8	18.8	19.0	19.1	19.1	19.2	19.2	19.5	20.0	20.0	20.2	20.4	21.2	21.8
GE 14000	19.1	19.2	19.2	19.2	19.4	19.5	19.5	19.6	19.6	20.0	20.4	20.4	20.6	20.8	21.6	22.3
GE 12000	20.1	20.2	20.2	20.2	20.4	20.5	20.5	20.6	20.6	20.9	21.4	21.4	21.6	21.8	22.6	23.2
GE 10000	20.5	20.6	20.6	20.6	20.8	20.9	20.9	21.1	21.1	21.4	21.9	21.9	22.1	22.4	23.4	24.2
GE 9000	22.1	22.3	22.3	22.3	22.6	22.7	22.7	22.9	22.9	23.4	23.9	23.9	24.1	24.3	25.4	26.4
GE 8000	26.8	27.0	27.0	27.2	27.5	27.6	27.6	27.9	27.9	28.3	29.1	29.1	29.3	29.6	30.7	31.8
GE 7000	29.9	30.2	30.2	30.4	30.7	30.8	30.8	31.0	31.0	31.5	32.2	32.2	32.5	32.8	33.9	35.2
GE 6000	32.2	32.5	32.5	32.8	33.3	33.4	33.6	33.8	33.8	34.2	35.0	35.0	35.3	35.6	36.8	38.2
GE 5000	34.8	35.1	35.2	35.5	36.2	36.3	36.4	36.6	36.6	37.1	37.8	37.8	38.2	38.5	39.7	41.0
GE 4500	35.7	36.1	36.2	36.5	37.2	37.3	37.4	37.6	37.6	38.0	38.8	38.8	39.1	39.5	40.7	42.0
GE 4000	37.6	38.0	38.2	38.6	39.4	39.5	39.6	39.8	39.8	40.2	41.0	41.0	41.3	41.7	42.9	44.2
GE 3500	38.7	39.1	39.4	39.8	40.6	40.7	40.8	41.0	41.0	41.4	42.2	42.2	42.5	42.9	44.1	45.4
GE 3000	40.1	40.6	40.8	41.2	42.1	42.2	42.3	42.5	42.5	43.0	43.8	43.8	44.1	44.4	45.6	46.9
GE 2500	43.3	43.8	44.2	44.6	45.7	45.8	46.2	46.5	46.5	47.0	47.8	47.8	48.2	48.6	49.8	51.1
GE 2000	44.3	44.7	45.3	45.7	46.9	47.0	47.4	47.7	47.7	48.2	49.0	49.0	49.5	49.8	51.0	52.3
GE 1800	44.6	45.1	45.6	46.1	47.3	47.4	47.7	48.0	48.0	48.6	49.3	49.3	49.8	50.1	51.3	52.6
GE 1500	46.4	46.9	47.6	48.1	49.6	49.7	50.0	50.3	50.4	51.1	51.9	51.9	52.3	52.6	53.8	55.2
GE 1200	49.0	49.6	50.4	51.1	52.5	52.6	53.1	53.5	53.6	54.3	55.2	55.2	55.6	55.9	57.2	58.6
GE 1000	51.9	52.7	54.1	55.2	57.1	57.2	57.8	58.7	58.8	59.5	60.4	60.4	61.0	61.5	63.0	64.4
GE 900	52.4	53.3	54.8	56.0	58.0	58.1	58.7	59.6	59.8	60.5	61.4	61.4	62.0	62.5	64.0	65.4
GE 800	53.6	54.5	56.4	57.7	59.6	59.8	60.3	61.5	61.7	62.5	63.4	63.4	63.9	64.5	66.0	67.3
GE 700	55.6	56.5	58.6	60.0	62.2	62.3	62.8	64.3	64.5	65.2	66.1	66.1	66.7	67.2	68.8	70.1
GE 600	57.6	58.8	61.2	62.7	66.1	66.4	67.1	68.6	68.9	70.0	70.8	70.8	71.8	72.4	73.9	75.2
GE 500	59.4	60.9	63.4	65.1	69.1	69.6	70.4	71.9	72.1	73.2	74.6	74.6	75.7	76.2	78.0	79.4
GE 400	60.9	62.3	65.0	67.3	71.6	72.1	73.2	75.5	75.8	77.2	78.9	78.9	80.7	81.4	83.3	84.8
GE 300	61.3	62.7	65.6	67.9	72.5	73.0	74.7	77.3	77.6	79.3	81.9	81.9	84.5	85.2	88.3	90.2
GE 200	61.3	62.7	65.6	67.9	72.7	73.4	75.0	77.7	78.2	79.9	83.0	83.0	86.2	87.2	91.3	94.3
GE 100	61.3	62.7	65.6	67.9	72.7	73.4	75.0	77.7	78.2	79.9	83.1	83.1	86.3	87.5	94.2	98.5
GE 000	61.3	62.7	65.6	67.9	72.7	73.4	75.0	77.7	78.2	79.9	83.1	83.1	86.3	87.5	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 912

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.0	20.0	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.6	20.9	20.9	21.1	21.1	22.4	22.4
GE 20000	22.5	22.5	22.6	22.7	22.7	22.7	22.9	22.9	22.9	23.2	23.5	23.5	23.7	23.7	25.0	25.0
GE 18000	23.2	23.2	23.3	23.4	23.4	23.4	23.5	23.5	23.5	23.8	24.2	24.2	24.4	24.4	25.7	25.7
GE 16000	23.3	23.3	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.9	24.3	24.3	24.5	24.5	25.8	25.8
GE 14000	23.6	23.6	23.7	23.8	23.8	23.8	23.9	23.9	23.9	24.3	24.6	24.6	24.8	24.8	26.1	26.1
GE 12000	24.5	24.5	24.6	24.7	24.7	24.7	24.8	24.8	24.8	25.1	25.5	25.5	25.7	25.7	27.0	27.0
GE 10000	26.2	26.3	26.4	26.6	26.6	26.6	26.7	26.7	26.7	27.0	27.3	27.3	27.5	27.5	28.9	28.9
GE 9000	27.2	27.3	27.4	27.5	27.5	27.5	27.6	27.6	27.6	28.0	28.3	28.3	28.5	28.5	29.9	29.9
GE 8000	32.3	32.4	32.5	32.6	32.6	32.6	32.8	32.8	32.8	33.1	33.4	33.4	33.7	33.8	35.3	35.4
GE 7000	36.3	36.5	36.6	36.7	36.8	36.8	36.9	36.9	36.9	37.2	37.5	37.5	38.0	38.1	39.5	39.6
GE 6000	37.0	37.1	37.2	37.3	37.4	37.4	37.5	37.5	37.5	37.9	38.2	38.2	38.6	38.8	40.4	40.5
GE 5000	39.6	39.7	39.8	40.2	40.3	40.3	40.5	40.5	40.5	41.0	41.3	41.3	41.8	42.0	43.5	43.6
GE 4500	40.2	40.3	40.4	40.7	40.8	40.8	41.0	41.0	41.0	41.6	41.9	41.9	42.3	42.5	44.1	44.2
GE 4000	42.5	42.7	42.8	43.1	43.2	43.2	43.4	43.4	43.4	44.0	44.3	44.3	44.7	44.9	46.5	46.6
GE 3500	43.4	43.5	43.6	44.1	44.2	44.2	44.4	44.4	44.4	44.9	45.3	45.3	45.7	45.9	47.4	47.6
GE 3000	44.5	44.7	44.9	45.7	45.9	45.9	46.1	46.1	46.1	46.7	47.0	47.0	47.4	47.7	49.2	49.3
GE 2500	46.0	46.5	46.7	47.6	47.8	47.9	48.1	48.1	48.1	48.7	49.1	49.1	49.5	49.7	51.3	51.4
GE 2000	46.9	47.6	47.8	48.7	49.0	49.1	49.4	49.4	49.4	50.1	50.4	50.4	50.8	51.0	52.6	52.7
GE 1800	47.0	47.7	47.9	48.9	49.1	49.2	49.5	49.6	49.6	50.3	50.7	50.7	51.1	51.4	52.9	53.0
GE 1500	49.2	49.8	50.1	51.1	51.6	51.7	52.0	52.1	52.1	52.8	53.2	53.2	53.8	54.0	55.5	55.6
GE 1200	51.7	52.6	52.9	54.4	55.2	55.3	55.6	55.7	55.7	56.4	56.8	56.8	57.3	57.6	59.1	59.2
GE 1000	53.4	54.4	55.1	57.2	58.2	58.3	58.7	59.0	59.0	59.6	60.1	60.1	60.7	60.9	62.7	62.8
GE 900	54.7	55.7	56.4	58.5	59.5	59.6	60.2	60.5	60.5	61.2	61.6	61.6	62.2	62.5	64.2	64.3
GE 800	57.2	58.2	58.9	61.3	62.2	62.5	63.2	63.7	63.7	64.3	65.0	65.0	65.6	65.8	67.6	67.7
GE 700	60.1	61.2	61.8	64.2	65.4	65.6	66.5	66.9	66.9	67.6	68.2	68.2	69.0	69.2	70.9	71.1
GE 600	62.5	63.7	64.5	67.1	68.4	68.7	69.5	70.1	70.4	71.3	72.5	72.5	73.4	73.7	75.4	75.5
GE 500	64.7	66.1	67.2	70.2	71.6	71.9	73.1	73.9	74.2	75.4	77.1	77.3	78.2	78.5	80.3	80.4
GE 400	66.1	67.6	69.2	72.4	74.1	74.4	75.8	76.9	77.6	79.0	81.3	81.4	82.5	82.7	84.7	84.9
GE 300	66.5	68.3	70.0	73.2	75.1	75.5	77.3	78.7	79.9	81.7	85.2	85.3	86.9	87.3	90.1	91.0
GE 200	66.5	68.3	70.1	73.3	75.2	75.6	77.4	78.9	80.2	82.2	86.1	86.2	88.1	88.9	93.5	94.8
GE 100	66.5	68.3	70.1	73.3	75.2	75.6	77.4	78.9	80.2	82.2	86.2	86.3	88.4	89.3	96.5	99.1
GE 000	66.5	68.3	70.1	73.3	75.2	75.6	77.4	78.9	80.2	82.2	86.2	86.3	88.4	89.3	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 919



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.1	22.1	22.1	22.1	22.2	22.2	22.4	22.5	22.5	22.7	23.0	23.0	23.1	23.3	23.5	23.5
GE 20000	25.5	25.5	25.5	25.5	25.6	25.6	25.9	26.0	26.0	26.2	26.5	26.5	26.6	26.9	27.1	27.1
GE 18000	26.2	26.2	26.2	26.2	26.3	26.3	26.5	26.6	26.6	26.9	27.2	27.2	27.3	27.5	27.7	27.7
GE 16000	26.3	26.3	26.3	26.3	26.4	26.4	26.6	26.7	26.7	27.0	27.4	27.4	27.5	27.7	28.0	28.0
GE 14000	27.1	27.1	27.1	27.1	27.2	27.2	27.4	27.5	27.5	27.7	28.2	28.2	28.3	28.5	28.7	28.7
GE 12000	28.4	28.4	28.4	28.4	28.5	28.5	28.7	28.8	28.8	29.1	29.5	29.5	29.6	29.8	30.1	30.1
GE 10000	30.9	30.9	30.9	30.9	31.0	31.0	31.3	31.4	31.4	31.6	32.0	32.0	32.2	32.4	32.6	32.6
GE 9000	32.0	32.0	32.0	32.0	32.2	32.2	32.4	32.5	32.5	32.7	33.1	33.1	33.4	33.6	33.8	33.8
GE 8000	38.3	38.3	38.3	38.3	38.5	38.6	38.8	38.9	38.9	39.1	39.6	39.6	39.8	40.0	40.2	40.2
GE 7000	43.6	43.6	43.6	43.6	43.8	43.9	44.1	44.2	44.2	44.4	44.9	44.9	45.1	45.4	45.6	45.6
GE 6000	44.5	44.5	44.5	44.5	44.6	44.8	45.0	45.1	45.1	45.3	45.7	45.7	46.0	46.3	46.5	46.5
GE 5000	46.4	46.5	46.6	46.6	46.7	46.9	47.1	47.2	47.2	47.5	48.0	48.0	48.2	48.5	48.7	48.7
GE 4500	47.2	47.3	47.4	47.4	47.5	47.6	47.8	48.0	48.0	48.3	48.7	48.7	49.0	49.3	49.5	49.5
GE 4000	48.6	48.8	49.0	49.0	49.2	49.3	49.5	49.6	49.6	49.9	50.4	50.4	50.6	50.9	51.2	51.2
GE 3500	49.7	49.9	50.1	50.1	50.3	50.4	50.6	50.7	50.7	51.0	51.5	51.5	51.7	52.0	52.3	52.3
GE 3000	51.5	51.7	51.9	52.0	52.3	52.4	52.6	52.7	52.7	53.0	53.6	53.6	53.9	54.3	54.6	54.6
GE 2500	53.0	53.3	53.5	53.6	53.8	53.9	54.1	54.4	54.4	54.7	55.2	55.2	55.6	55.9	56.2	56.2
GE 2000	54.3	54.7	54.9	55.0	55.2	55.4	55.6	55.8	55.8	56.1	56.7	56.7	57.0	57.3	57.7	57.7
GE 1800	54.6	55.0	55.2	55.4	55.6	55.7	55.9	56.1	56.1	56.5	57.0	57.0	57.3	57.7	58.0	58.0
GE 1500	56.7	57.3	57.9	58.1	58.3	58.5	58.7	59.0	59.0	59.3	59.9	59.9	60.3	60.7	61.0	61.0
GE 1200	58.7	59.3	59.9	60.4	61.0	61.1	61.3	61.7	61.7	62.0	62.5	62.5	63.0	63.3	63.6	63.6
GE 1000	61.7	62.3	63.4	64.0	65.0	65.1	65.3	65.6	65.6	66.0	66.5	66.5	67.4	67.7	68.2	68.2
GE 900	63.0	63.8	64.9	65.4	66.4	66.5	66.7	67.1	67.1	67.4	68.0	68.0	68.8	69.2	69.6	69.6
GE 800	64.0	65.0	66.2	66.9	68.1	68.4	68.6	69.0	69.1	69.4	69.9	69.9	70.8	71.2	71.6	71.6
GE 700	66.0	67.0	68.2	68.8	70.3	70.6	70.9	71.3	71.4	71.9	72.5	72.5	73.5	73.8	74.3	74.3
GE 600	67.8	68.8	70.2	70.8	72.4	72.7	73.1	73.5	73.8	74.4	75.1	75.1	76.4	76.7	77.1	77.1
GE 500	69.5	70.7	72.6	73.4	74.9	75.2	75.9	76.8	77.1	78.0	79.3	79.3	80.8	81.1	81.8	81.8
GE 400	70.8	72.2	74.0	74.8	76.5	76.8	77.6	78.8	79.2	80.3	82.2	82.3	84.1	84.6	85.7	85.7
GE 300	71.3	72.6	74.9	75.7	77.7	78.1	79.1	80.8	81.4	83.1	86.5	86.6	89.7	90.8	92.4	92.8
GE 200	71.3	72.6	74.9	75.7	77.9	78.3	79.3	81.1	81.9	83.8	87.5	87.6	91.5	92.9	95.4	96.4
GE 100	71.3	72.6	74.9	75.7	77.9	78.3	79.3	81.1	81.9	83.8	87.6	87.7	91.7	93.4	96.5	98.8
GE 000	71.3	72.6	74.9	75.7	77.9	78.3	79.3	81.1	81.9	83.8	87.6	87.7	91.7	93.5	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 905

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.4	23.5	23.5	23.5	23.8	23.9	24.2	24.6	24.6	24.9	25.1	25.1	25.4	25.7	26.4	26.5
GE 20000	26.3	26.4	26.4	26.4	26.7	26.9	27.3	27.6	27.6	27.9	28.2	28.2	28.6	28.8	29.7	29.8
GE 18000	27.0	27.1	27.1	27.1	27.4	27.5	27.9	28.3	28.3	28.6	28.8	28.8	29.3	29.5	30.3	30.5
GE 16000	27.1	27.2	27.2	27.2	27.5	27.6	28.1	28.4	28.4	28.7	28.9	28.9	29.4	29.6	30.5	30.6
GE 14000	27.6	27.7	27.7	27.7	28.1	28.2	28.6	28.9	28.9	29.3	29.5	29.5	29.9	30.1	31.0	31.1
GE 12000	29.0	29.1	29.1	29.1	29.5	29.6	30.0	30.3	30.3	30.7	30.9	30.9	31.3	31.6	32.4	32.5
GE 10000	30.8	30.9	30.9	30.9	31.2	31.3	31.8	32.1	32.1	32.4	32.6	32.6	33.2	33.4	34.3	34.4
GE 9000	32.5	32.6	32.6	32.6	33.0	33.1	33.5	33.8	33.8	34.2	34.4	34.4	35.0	35.4	36.2	36.4
GE 8000	37.1	37.2	37.2	37.2	37.6	37.7	38.2	38.5	38.5	38.9	39.2	39.2	39.8	40.2	41.0	41.2
GE 7000	41.7	42.0	42.0	42.0	42.4	42.5	43.0	43.3	43.3	43.7	44.0	44.0	44.7	45.0	45.9	46.0
GE 6000	44.0	44.3	44.3	44.3	44.7	44.8	45.3	45.6	45.6	46.0	46.3	46.3	46.9	47.3	48.1	48.3
GE 5000	45.6	46.1	46.1	46.1	46.4	46.5	47.1	47.4	47.4	47.7	48.0	48.0	48.7	49.0	49.9	50.0
GE 4500	46.6	47.1	47.1	47.1	47.4	47.5	48.0	48.4	48.4	48.7	49.0	49.0	49.7	50.0	50.9	51.0
GE 4000	49.7	50.2	50.2	50.3	50.9	51.0	51.6	52.0	52.0	52.3	52.6	52.6	53.3	53.6	54.5	54.6
GE 3500	50.4	51.0	51.0	51.1	51.6	51.7	52.4	52.7	52.7	53.1	53.4	53.4	54.0	54.4	55.2	55.3
GE 3000	51.7	52.3	52.6	52.8	53.8	53.9	54.6	54.9	54.9	55.2	55.6	55.6	56.2	56.6	57.5	57.6
GE 2500	53.6	54.1	54.6	54.8	55.2	56.3	57.0	57.3	57.3	57.6	58.0	58.0	58.6	59.0	59.9	60.0
GE 2000	54.5	55.0	55.5	55.7	57.1	57.2	57.9	58.2	58.2	58.5	58.8	58.8	59.5	59.8	60.8	60.9
GE 1800	55.3	55.9	56.3	56.6	58.0	58.1	58.7	59.1	59.1	59.4	59.7	59.7	60.5	60.8	61.8	61.9
GE 1500	57.5	58.1	58.6	58.8	60.3	60.4	61.0	61.5	61.5	61.8	62.1	62.1	62.9	63.2	64.2	64.3
GE 1200	60.3	60.8	61.4	61.6	63.1	63.3	64.5	65.1	65.1	65.4	65.7	65.7	66.5	66.8	67.8	67.9
GE 1000	62.9	63.6	64.3	64.5	66.3	66.5	67.9	68.4	68.4	68.8	69.1	69.1	69.9	70.2	71.2	71.3
GE 900	64.3	65.1	65.7	65.9	67.7	67.9	69.4	70.0	70.0	70.3	70.6	70.6	71.4	71.7	72.7	72.8
GE 800	65.2	66.2	66.8	67.0	68.8	69.0	70.5	71.1	71.1	71.4	71.7	71.7	72.5	72.8	73.8	73.9
GE 700	65.7	66.8	67.7	67.9	69.8	70.0	71.8	72.5	72.5	72.8	73.1	73.1	74.0	74.3	75.3	75.4
GE 600	66.7	67.8	68.7	68.9	70.9	71.1	73.1	73.8	74.0	74.3	74.9	74.9	75.8	76.1	77.1	77.2
GE 500	68.4	69.5	71.0	71.3	73.5	73.7	75.8	76.9	77.2	77.6	78.5	78.5	79.9	80.2	81.7	81.8
GE 400	69.8	71.2	72.9	73.4	75.8	76.0	78.2	80.0	80.5	81.3	82.6	82.8	84.4	84.7	86.2	86.5
GE 300	70.6	72.1	73.8	74.3	77.3	77.5	80.0	82.6	83.1	84.3	86.4	86.6	89.2	90.3	92.5	92.9
GE 200	70.7	72.2	73.9	74.5	77.4	77.6	80.1	83.0	83.5	85.2	87.6	87.8	91.0	92.4	96.0	97.4
GE 100	70.7	72.2	73.9	74.5	77.4	77.6	80.1	83.0	83.6	85.3	87.8	88.0	91.4	92.7	96.5	99.2
GE 000	70.7	72.2	73.9	74.5	77.4	77.6	80.1	83.0	83.6	85.3	87.8	88.0	91.4	92.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 916

OPERATION "A"  
USAFETAC, WFO NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.0	22.2	22.2	22.3	22.7	22.7	23.0	23.1	23.1	23.3	23.8	23.8	23.8	24.3	24.7	25.0
GE 20000	23.2	23.3	23.3	23.4	23.9	23.9	24.3	24.4	24.4	24.6	25.1	25.1	25.1	25.6	26.0	26.3
GE 18000	23.8	23.9	23.9	24.0	24.5	24.5	24.9	25.0	25.0	25.2	25.7	25.7	25.7	26.1	26.6	26.8
GE 16000	23.9	24.0	24.0	24.2	24.6	24.6	25.0	25.1	25.1	25.3	25.8	25.8	25.8	26.3	26.7	27.0
GE 14000	25.2	25.3	25.3	25.4	25.9	25.9	26.3	26.4	26.4	26.6	27.1	27.1	27.1	27.5	28.0	28.3
GE 12000	27.2	27.3	27.3	27.4	27.9	27.9	28.3	28.4	28.4	28.6	29.1	29.1	29.1	29.5	30.0	30.2
GE 10000	28.8	29.0	29.0	29.1	29.5	29.5	29.9	30.0	30.0	30.2	30.7	30.7	30.7	31.2	31.7	31.9
GE 9000	30.5	30.6	30.6	30.7	31.2	31.2	31.5	31.7	31.7	31.9	32.4	32.4	32.4	32.8	33.3	33.5
GE 8000	35.4	35.5	35.5	35.6	36.1	36.1	36.5	36.6	36.6	36.8	37.3	37.3	37.3	37.7	38.2	38.5
GE 7000	41.5	41.6	41.6	41.7	42.2	42.2	42.7	42.8	42.8	43.0	43.5	43.5	43.5	44.0	44.4	44.7
GE 6000	43.7	43.8	43.8	44.0	44.4	44.4	44.9	45.0	45.0	45.3	45.7	45.7	45.7	46.2	46.7	46.9
GE 5000	45.0	45.3	45.3	45.4	46.0	46.0	46.4	46.5	46.5	46.8	47.2	47.2	47.2	47.7	48.2	48.4
GE 4500	46.0	46.2	46.2	46.3	46.9	46.9	47.4	47.5	47.5	47.7	48.2	48.2	48.2	48.7	49.1	49.4
GE 4000	49.0	49.5	49.5	49.6	50.3	50.3	50.8	51.0	51.0	51.2	51.7	51.7	51.7	52.2	52.8	53.0
GE 3500	50.1	50.6	50.6	50.8	51.7	51.7	52.2	52.4	52.4	52.6	53.1	53.1	53.1	53.6	54.2	54.4
GE 3000	52.3	53.0	53.2	53.6	54.6	54.6	55.1	55.3	55.3	55.6	56.0	56.0	56.0	56.5	57.1	57.3
GE 2500	55.5	56.2	56.5	57.0	58.0	58.0	58.5	58.7	58.7	59.0	59.4	59.4	59.6	60.0	60.6	60.8
GE 2000	56.6	57.3	57.7	58.5	59.7	59.8	60.4	60.6	60.6	60.8	61.3	61.3	61.4	61.9	62.5	62.7
GE 1800	57.4	58.3	58.6	59.4	60.6	60.7	61.3	61.5	61.5	61.8	62.3	62.3	62.4	62.8	63.4	63.7
GE 1500	58.7	59.7	60.1	61.0	62.1	62.3	62.8	63.1	63.1	63.3	63.8	63.8	63.9	64.4	64.9	65.2
GE 1200	61.5	62.5	63.0	63.8	64.9	65.1	66.0	66.2	66.2	66.5	66.9	66.9	67.1	67.5	68.1	68.3
GE 1000	63.5	64.5	65.2	66.1	67.4	67.5	68.9	69.2	69.2	69.4	70.0	70.0	70.1	70.6	71.2	71.5
GE 900	64.4	65.3	66.0	66.9	68.2	68.3	69.8	70.2	70.2	70.5	71.0	71.0	71.2	71.6	72.2	72.6
GE 800	65.8	66.7	67.4	68.3	69.6	69.8	71.2	71.9	71.9	72.1	72.7	72.7	72.8	73.3	73.9	74.2
GE 700	67.1	68.0	68.8	69.8	71.0	71.2	72.7	73.5	73.5	73.7	74.4	74.4	74.6	75.0	75.6	76.0
GE 600	68.9	69.9	70.8	71.7	73.0	73.2	75.0	75.8	76.0	76.4	77.3	77.3	77.5	78.0	78.5	78.9
GE 500	70.5	71.4	72.3	73.4	75.1	75.3	77.3	78.4	78.5	79.1	80.1	80.1	80.5	81.0	81.6	82.2
GE 400	71.3	72.3	73.3	74.4	76.3	76.6	78.5	80.8	81.0	81.9	83.2	83.2	83.9	84.4	85.0	85.6
GE 300	71.3	72.3	73.4	74.8	77.0	77.3	79.2	82.3	82.8	83.9	86.0	86.0	86.6	89.6	91.0	92.1
GE 200	71.3	72.3	73.4	74.8	77.0	77.3	79.5	82.5	83.0	84.5	87.0	87.1	90.9	92.0	95.5	97.8
GE 100	71.3	72.3	73.4	74.8	77.0	77.3	79.5	82.5	83.0	84.5	87.1	87.2	91.2	92.4	96.2	100.0
GE 000	71.3	72.3	73.4	74.8	77.0	77.3	79.5	82.5	83.0	84.5	87.1	87.2	91.2	92.4	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 853

D - 2 - 70

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.6	22.6
GE 20000	24.6	24.9	25.0	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.4
GE 18000	25.0	25.2	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.8	25.8
GE 16000	25.0	25.2	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.8	25.8
GE 14000	26.0	26.3	26.4	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.8	26.8
GE 12000	27.8	28.0	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.5	28.6	28.6
GE 10000	29.2	29.4	29.5	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.9	30.0	30.1
GE 9000	30.7	31.1	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.7	31.7	31.7	31.7	31.8	31.9	32.0
GE 8000	35.6	36.0	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.6	36.6	36.6	36.6	36.7	36.9	37.0
GE 7000	39.9	40.2	40.3	40.3	40.6	40.6	40.7	40.7	40.7	40.9	40.9	40.9	40.9	41.0	41.3	41.5
GE 6000	41.4	41.7	41.9	41.9	42.2	42.2	42.3	42.3	42.3	42.6	42.6	42.6	42.6	42.7	42.9	43.1
GE 5000	43.1	43.5	43.6	43.6	44.0	44.0	44.1	44.1	44.1	44.3	44.3	44.3	44.3	44.4	44.8	45.0
GE 4500	44.0	44.3	44.4	44.4	44.8	44.8	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.3	45.6	45.8
GE 4000	47.0	47.4	47.6	47.6	47.9	47.9	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.4	48.8	49.0
GE 3500	48.7	49.0	49.4	49.5	49.8	49.8	49.9	49.9	49.9	50.2	50.2	50.2	50.2	50.3	50.6	50.9
GE 3000	52.5	52.9	53.3	53.7	54.0	54.0	54.3	54.3	54.3	54.5	54.5	54.5	54.5	54.6	55.0	55.2
GE 2500	54.7	55.1	55.6	55.9	56.4	56.4	56.7	56.7	56.7	57.0	57.0	57.0	57.0	57.1	57.4	57.7
GE 2000	56.6	57.0	57.4	57.8	58.4	58.4	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.1	59.4	59.7
GE 1800	57.0	57.3	57.8	58.1	58.7	58.7	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.8	60.0
GE 1500	58.5	58.9	59.8	60.1	60.7	60.7	61.2	61.2	61.2	61.4	61.5	61.5	61.5	61.7	62.0	62.3
GE 1200	60.1	60.5	61.4	61.9	62.7	62.8	63.7	63.7	63.7	63.9	64.0	64.0	64.0	64.1	64.6	64.8
GE 1000	61.9	62.3	63.3	64.0	65.2	65.3	66.2	66.2	66.2	66.5	66.6	66.6	66.6	66.7	67.2	67.4
GE 900	62.8	63.2	64.4	65.1	66.2	66.4	67.3	67.4	67.4	67.6	67.8	67.8	67.8	67.9	68.3	68.6
GE 800	64.4	64.7	66.1	67.1	68.5	68.6	69.5	69.8	69.8	70.0	70.1	70.1	70.1	70.2	70.7	70.9
GE 700	65.7	66.0	67.4	68.3	69.9	70.0	71.2	71.9	71.9	72.1	72.2	72.2	72.2	72.3	72.8	73.4
GE 600	67.6	68.0	69.5	70.5	72.1	72.2	73.5	74.6	74.6	74.9	75.1	75.1	75.1	75.3	75.7	76.3
GE 500	68.5	68.8	70.5	71.6	73.6	73.7	75.4	76.9	77.0	77.6	77.8	77.8	78.0	78.1	78.5	79.4
GE 400	69.1	69.4	71.3	72.6	74.9	75.1	77.0	79.5	79.8	80.5	81.2	81.2	81.9	82.1	82.5	83.4
GE 300	69.1	69.4	71.3	72.9	76.0	76.2	78.1	80.8	81.1	82.3	84.1	84.1	85.5	86.9	89.0	90.3
GE 200	69.1	69.4	71.4	73.0	76.1	76.3	78.2	81.2	81.6	82.8	85.1	85.1	85.0	89.8	94.3	97.4
GE 100	69.1	69.4	71.4	73.0	76.1	76.3	78.2	81.2	81.6	82.8	85.1	85.1	88.2	89.9	94.8	99.4
GE 000	69.1	69.4	71.4	73.0	76.1	76.3	78.2	81.2	81.6	82.8	85.1	85.1	88.2	89.9	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 853

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.1	20.2	20.3	20.3	20.5	20.5	20.7	20.8	20.8	21.0	21.3	21.3	21.5	21.7	22.3	22.5
GE 20000	22.1	22.2	22.2	22.3	22.5	22.5	22.7	22.9	22.9	23.2	23.4	23.4	23.7	23.9	24.5	24.8
GE 18000	22.7	22.8	22.8	22.9	23.1	23.1	23.3	23.5	23.5	23.8	24.0	24.0	24.3	24.5	25.1	25.3
GE 16000	22.8	22.9	22.9	23.0	23.2	23.2	23.4	23.6	23.6	23.8	24.2	24.2	24.4	24.6	25.2	25.5
GE 14000	23.5	23.5	23.6	23.6	23.9	23.9	24.1	24.2	24.3	24.5	24.8	24.8	25.1	25.3	25.9	26.1
GE 12000	24.8	24.9	25.0	25.0	25.3	25.3	25.5	25.6	25.7	25.9	26.2	26.2	26.4	26.7	27.3	27.5
GE 10000	26.6	26.7	26.7	26.7	27.0	27.0	27.2	27.3	27.4	27.6	27.9	27.9	28.2	28.5	29.1	29.4
GE 9000	28.0	28.1	28.1	28.2	28.4	28.5	28.7	28.8	28.9	29.2	29.5	29.5	29.8	30.0	30.7	31.1
GE 8000	33.2	33.3	33.4	33.4	33.7	33.8	34.0	34.1	34.2	34.5	34.9	34.9	35.2	35.5	36.2	36.6
GE 7000	37.7	37.8	37.9	38.0	38.2	38.3	38.5	38.7	38.8	39.1	39.5	39.5	39.8	40.1	40.8	41.3
GE 6000	39.3	39.4	39.5	39.6	39.9	39.9	40.2	40.3	40.4	40.7	41.1	41.1	41.5	41.8	42.6	43.0
GE 5000	41.3	41.5	41.6	41.7	42.1	42.2	42.4	42.6	42.7	43.0	43.4	43.4	43.8	44.1	44.9	45.3
GE 4500	42.1	42.3	42.5	42.6	43.0	43.1	43.3	43.5	43.6	43.9	44.3	44.3	44.7	45.0	45.8	46.2
GE 4000	44.6	44.9	45.1	45.2	45.7	45.8	46.0	46.2	46.3	46.6	47.0	47.0	47.5	47.8	48.6	49.1
GE 3500	45.8	46.1	46.3	46.5	47.0	47.1	47.4	47.5	47.6	48.0	48.4	48.4	48.8	49.1	50.0	50.4
GE 3000	47.7	48.0	48.3	48.7	49.3	49.4	49.7	49.8	49.9	50.3	50.7	50.7	51.2	51.5	52.4	52.9
GE 2500	50.0	50.4	50.8	51.2	51.9	52.0	52.3	52.6	52.7	53.1	53.5	53.5	54.0	54.3	55.2	55.6
GE 2000	51.3	51.8	52.2	52.7	53.5	53.6	54.0	54.2	54.3	54.7	55.1	55.1	55.6	55.9	56.8	57.3
GE 1800	51.7	52.2	52.6	53.1	54.0	54.0	54.4	54.7	54.8	55.2	55.6	55.6	56.1	56.4	57.3	57.8
GE 1500	53.5	54.1	54.7	55.3	56.2	56.3	56.7	57.0	57.1	57.5	57.9	57.9	58.5	58.8	59.7	60.2
GE 1200	56.1	56.7	57.4	58.1	59.2	59.4	60.0	60.4	60.5	61.0	61.5	61.5	62.0	62.3	63.3	63.7
GE 1000	58.4	59.1	60.1	61.0	62.5	62.7	63.4	63.9	64.1	64.5	65.0	65.0	65.7	66.1	67.1	67.6
GE 900	59.5	60.2	61.3	62.2	63.6	63.9	64.6	65.2	65.3	65.8	66.3	66.3	67.0	67.4	68.4	68.9
GE 800	60.8	61.6	62.8	63.8	65.4	65.7	66.5	67.3	67.4	67.9	68.4	68.4	69.1	69.5	70.5	71.0
GE 700	62.4	63.3	64.6	65.6	67.4	67.7	68.6	69.5	69.7	70.2	70.8	70.8	71.5	71.9	72.9	73.5
GE 600	64.0	64.9	66.4	67.5	69.5	69.9	70.9	71.9	72.3	72.9	73.7	73.7	74.5	74.9	76.0	76.5
GE 500	65.8	66.8	68.6	69.9	72.3	72.7	73.9	75.2	75.6	76.4	77.4	77.4	78.5	78.8	80.0	80.7
GE 400	67.0	68.1	70.1	71.6	74.1	74.5	76.0	78.1	78.6	79.6	81.2	81.2	82.7	83.2	84.6	85.3
GE 300	67.3	68.4	70.5	72.1	75.1	75.5	77.2	79.8	80.5	81.8	84.3	84.4	86.9	87.8	90.2	91.4
GE 200	67.3	68.4	70.6	72.2	75.2	75.7	77.5	80.2	80.9	82.5	85.5	85.6	88.9	90.1	93.8	96.0
GE 100	67.3	68.4	70.6	72.2	75.2	75.7	77.5	80.2	80.9	82.5	85.6	85.7	89.2	90.4	95.3	98.9
GE 000	67.3	68.4	70.6	72.2	75.2	75.7	77.5	80.2	81.0	82.5	85.6	85.7	89.2	90.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.3	21.5	21.8	22.0	22.7	22.7	23.0	23.1	23.2	23.2	23.5	23.6	24.0	24.2	24.7	24.8
GE 20000	23.2	23.4	23.8	23.9	24.8	24.8	25.0	25.1	25.2	25.2	25.6	25.7	26.1	26.4	27.0	27.1
GE 18000	23.3	23.5	23.9	24.0	24.9	24.9	25.1	25.2	25.3	25.3	25.7	25.8	26.2	26.5	27.1	27.3
GE 16000	23.3	23.5	23.9	24.0	24.9	24.9	25.1	25.2	25.3	25.3	25.7	25.8	26.2	26.5	27.1	27.3
GE 14000	23.3	23.5	23.9	24.0	24.9	24.9	25.1	25.2	25.3	25.3	25.7	25.8	26.2	26.5	27.1	27.3
GE 12000	24.3	24.5	24.9	25.0	25.9	25.9	26.1	26.2	26.4	26.4	26.7	26.8	27.3	27.5	28.2	28.3
GE 10000	25.8	26.0	26.5	26.6	27.5	27.5	27.7	27.8	27.9	27.9	28.3	28.4	28.8	29.1	29.7	29.8
GE 9000	26.6	26.8	27.3	27.4	28.3	28.3	28.5	28.6	28.7	28.7	29.1	29.2	29.6	29.8	30.5	30.6
GE 8000	30.1	30.3	30.7	30.9	31.8	31.8	32.0	32.1	32.2	32.2	32.5	32.7	33.1	33.3	34.0	34.1
GE 7000	32.7	33.1	33.6	33.7	34.6	34.7	34.9	35.0	35.1	35.4	35.7	35.8	36.3	36.5	37.2	37.3
GE 6000	32.7	33.2	33.7	33.8	34.7	34.8	35.0	35.1	35.2	35.5	35.9	36.0	36.5	36.7	37.4	37.5
GE 5000	33.9	34.5	34.9	35.1	36.0	36.1	36.4	36.5	36.6	36.8	37.3	37.4	38.0	38.2	38.9	39.2
GE 4500	34.5	35.0	35.5	35.7	36.6	36.7	36.9	37.0	37.2	37.4	37.8	38.0	38.5	38.7	39.4	39.8
GE 4000	35.4	35.9	36.4	36.7	37.7	37.8	38.1	38.2	38.3	38.5	39.2	39.3	39.9	40.1	40.8	41.1
GE 3500	37.3	37.8	38.3	38.6	39.6	39.8	40.0	40.1	40.2	40.4	41.1	41.2	41.8	42.0	42.7	43.0
GE 3000	38.5	39.1	39.5	39.9	41.1	41.2	41.4	41.6	41.7	41.9	42.6	42.7	43.2	43.5	44.1	44.5
GE 2500	40.7	41.3	41.8	42.2	43.5	43.6	44.0	44.1	44.3	44.6	45.3	45.4	45.9	46.2	46.8	47.4
GE 2000	43.5	44.1	44.9	45.4	47.0	47.2	47.6	47.9	48.0	48.4	49.1	49.2	49.8	50.0	50.7	51.4
GE 1800	44.9	45.8	46.8	47.3	48.9	49.1	49.5	49.8	49.9	50.3	51.0	51.1	51.7	51.9	52.6	53.3
GE 1500	46.8	47.7	49.0	49.4	51.0	51.5	52.4	52.6	52.7	53.2	53.8	53.9	54.5	54.7	55.4	56.1
GE 1200	50.8	51.9	53.8	54.4	56.3	57.2	58.6	58.8	58.9	59.3	60.0	60.1	60.7	60.9	61.6	62.3
GE 1000	53.4	54.5	56.8	57.8	60.6	61.6	63.2	63.6	63.7	64.2	64.9	65.0	65.5	65.8	66.4	67.1
GE 900	55.3	56.5	58.9	59.9	63.2	64.2	66.0	66.4	66.6	67.0	67.7	67.8	68.4	68.6	69.3	69.9
GE 800	57.7	59.0	61.7	62.7	66.2	67.2	69.3	69.7	69.8	70.3	70.9	71.1	72.0	72.2	72.9	73.5
GE 700	58.2	59.6	62.4	63.9	67.9	68.9	71.1	71.5	71.6	72.2	73.2	73.3	74.2	74.4	75.2	75.9
GE 600	59.7	61.0	64.1	65.8	69.9	70.9	73.1	74.0	74.1	75.0	76.0	76.1	77.1	77.4	78.3	78.9
GE 500	60.7	62.0	65.1	66.8	71.1	72.4	74.5	75.5	75.6	76.6	78.3	78.4	79.7	80.0	81.1	81.8
GE 400	60.9	62.5	65.5	67.6	71.8	73.2	75.5	76.9	77.0	78.2	80.3	80.4	81.9	82.1	83.4	84.1
GE 300	61.0	62.6	65.8	67.8	72.3	73.6	76.0	78.2	78.4	80.3	83.6	83.8	86.4	86.9	89.8	90.8
GE 200	61.0	62.6	65.8	67.9	72.4	73.8	76.2	78.5	78.7	80.6	84.1	84.3	87.4	88.3	92.9	95.9
GE 100	61.0	62.6	65.8	67.9	72.4	73.8	76.2	78.5	78.7	80.6	84.1	84.3	87.4	88.4	94.0	99.7
GE 000	61.0	62.6	65.8	67.9	72.4	73.8	76.2	78.5	78.7	80.6	84.1	84.3	87.4	88.4	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.8	19.9	20.3	20.4	20.9	20.9	21.1	21.3	21.3	21.3	22.1	22.1	22.4	22.5	23.5	24.5
GE 20000	20.9	21.0	21.5	21.6	22.0	22.0	22.2	22.5	22.5	22.5	23.5	23.5	23.7	23.8	24.9	26.0
GE 18000	21.0	21.1	21.6	21.7	22.1	22.1	22.4	22.6	22.6	22.6	23.6	23.6	23.8	23.9	25.1	26.1
GE 16000	21.0	21.1	21.6	21.7	22.1	22.1	22.4	22.6	22.6	22.6	23.6	23.6	23.8	23.9	25.1	26.1
GE 14000	21.1	21.2	21.7	21.8	22.2	22.2	22.5	22.7	22.7	22.7	23.7	23.7	23.9	24.0	25.2	26.2
GE 12000	21.7	21.8	22.2	22.4	22.8	22.8	23.0	23.3	23.3	23.3	24.3	24.3	24.5	24.6	25.7	26.7
GE 10000	23.1	23.3	23.7	23.8	24.5	24.5	24.7	24.9	24.9	24.9	26.1	26.1	26.3	26.4	27.5	28.5
GE 9000	23.7	23.8	24.3	24.5	25.2	25.2	25.4	25.6	25.6	25.6	26.7	26.7	27.0	27.1	28.2	29.2
GE 8000	26.5	26.6	27.1	27.4	28.1	28.1	28.3	28.7	28.7	28.7	29.9	29.9	30.1	30.2	31.3	32.4
GE 7000	28.7	28.9	29.3	29.7	30.3	30.3	30.7	31.0	31.0	31.0	32.4	32.4	32.6	32.7	33.8	34.8
GE 6000	29.3	29.7	30.2	30.6	31.2	31.2	31.6	31.9	31.9	31.9	33.3	33.3	33.5	33.6	34.7	35.7
GE 5000	29.7	30.0	30.6	30.9	31.6	31.6	31.9	32.2	32.4	32.4	33.7	33.7	33.9	34.0	35.2	36.2
GE 4500	30.1	30.4	31.0	31.3	32.0	32.0	32.4	32.7	32.8	32.8	34.2	34.2	34.4	34.5	35.6	36.6
GE 4000	31.0	31.5	32.1	32.5	33.3	33.3	33.6	33.9	34.0	34.2	35.5	35.5	35.8	36.0	37.1	38.1
GE 3500	32.5	33.1	33.8	34.2	34.9	34.9	35.3	35.6	35.7	35.8	37.2	37.2	37.5	37.6	38.8	39.8
GE 3000	34.2	34.8	35.6	36.1	36.9	36.9	37.2	37.6	37.8	37.9	39.2	39.2	39.6	39.7	40.8	41.8
GE 2500	37.0	37.8	38.7	39.1	39.9	39.9	40.4	40.9	41.0	41.1	42.5	42.5	42.8	42.9	44.0	45.1
GE 2000	39.3	40.1	41.1	41.6	42.7	42.9	43.7	44.2	44.3	44.6	46.1	46.1	46.4	46.5	47.6	48.7
GE 1800	41.1	41.9	43.3	43.7	44.8	45.1	46.0	46.4	46.5	46.9	48.3	48.3	48.7	48.8	49.9	50.9
GE 1500	43.3	44.0	45.5	46.2	47.3	47.6	49.2	49.7	49.8	50.1	51.8	51.8	52.2	52.4	53.5	54.5
GE 1200	47.6	48.7	50.7	51.8	53.9	54.8	56.5	57.1	57.2	57.5	59.4	59.4	59.9	60.0	61.1	62.1
GE 1000	50.4	51.8	54.2	55.8	58.2	59.3	61.5	62.0	62.1	62.6	64.6	64.6	65.2	65.3	66.4	67.4
GE 900	51.8	53.3	55.7	57.6	60.1	61.2	63.7	64.3	64.4	64.8	66.9	66.9	67.4	67.5	68.7	69.7
GE 800	54.2	55.6	58.5	60.4	63.0	64.2	66.9	67.4	67.5	68.0	70.0	70.0	70.8	70.9	72.0	73.0
GE 700	55.4	57.0	60.6	63.1	66.2	67.3	70.1	70.9	71.0	71.5	73.5	73.5	74.3	74.4	75.5	76.5
GE 600	56.0	57.5	61.1	63.9	67.4	68.5	71.5	72.7	73.0	73.9	76.2	76.2	77.3	77.4	78.5	79.7
GE 500	56.4	58.0	62.0	64.9	68.4	69.7	72.7	73.9	74.4	75.3	78.0	78.0	79.4	79.6	80.9	82.0
GE 400	57.5	59.1	63.3	66.6	70.3	71.6	75.1	77.1	77.8	79.3	82.9	82.9	84.4	84.6	86.0	87.3
GE 300	57.5	59.1	63.3	66.7	70.6	71.8	75.4	77.8	78.7	80.9	84.8	84.9	86.7	87.3	89.6	91.0
GE 200	57.6	59.3	63.5	67.0	70.8	72.0	75.6	78.1	79.0	81.5	86.4	86.6	89.1	90.0	93.7	96.5
GE 100	57.6	59.3	63.5	67.0	70.8	72.0	75.6	78.1	79.0	81.5	86.5	86.7	89.4	90.3	95.6	100.0
GE 000	57.6	59.3	63.5	67.0	70.8	72.0	75.6	78.1	79.0	81.5	86.5	86.7	89.4	90.3	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.0	18.0	18.3	18.5	18.6	18.6	19.0	19.2	19.2	19.5	20.0	20.1	20.3	20.5	22.0	22.7
GE 20000	19.5	19.6	19.9	20.1	20.2	20.2	20.5	20.8	20.8	21.1	21.6	21.7	22.0	22.2	24.3	25.0
GE 18000	19.8	19.9	20.1	20.3	20.4	20.4	20.8	21.0	21.0	21.3	21.8	21.9	22.2	22.5	24.5	25.2
GE 16000	19.8	19.9	20.1	20.3	20.4	20.4	20.8	21.0	21.0	21.3	21.8	21.9	22.2	22.5	24.5	25.2
GE 14000	19.8	19.9	20.1	20.3	20.4	20.4	20.8	21.0	21.0	21.3	21.8	21.9	22.2	22.5	24.5	25.2
GE 12000	20.5	20.7	20.9	21.1	21.2	21.2	21.6	21.8	21.8	22.1	22.6	22.7	23.0	23.3	25.3	26.0
GE 10000	22.6	22.7	22.9	23.2	23.3	23.3	23.6	23.8	23.8	24.2	24.6	24.7	25.1	25.3	27.4	28.0
GE 9000	24.4	24.6	25.0	25.2	25.3	25.3	25.7	25.9	25.9	26.2	26.7	26.8	27.1	27.4	29.4	30.1
GE 8000	28.3	28.5	28.9	29.2	29.3	29.3	29.6	29.9	29.9	30.2	30.6	30.8	31.1	31.3	33.4	34.1
GE 7000	30.6	31.0	31.4	31.8	32.0	32.0	32.3	32.6	32.7	33.0	33.5	33.6	33.9	34.2	36.2	36.9
GE 6000	31.1	31.4	32.0	32.3	32.6	32.6	32.9	33.1	33.3	33.6	34.2	34.3	34.6	34.8	36.9	37.6
GE 5000	32.8	33.1	33.7	34.1	34.3	34.3	34.6	34.8	35.0	35.3	36.0	36.1	36.4	36.7	38.7	39.4
GE 4500	33.3	33.6	34.2	34.5	34.7	34.7	35.1	35.3	35.4	35.8	36.4	36.5	36.9	37.1	39.2	39.8
GE 4000	33.8	34.2	34.7	35.1	35.3	35.3	35.6	35.9	36.0	36.3	37.0	37.1	37.5	37.7	39.7	40.4
GE 3500	35.3	35.6	36.2	36.5	36.9	36.9	37.2	37.5	37.6	37.9	38.6	38.7	39.0	39.3	41.3	42.0
GE 3000	36.7	37.0	37.6	38.0	38.4	38.4	38.7	38.9	39.0	39.4	40.1	40.2	40.5	40.7	42.8	43.5
GE 2500	38.4	38.7	39.3	39.7	40.1	40.1	40.5	40.7	40.9	41.2	41.9	42.0	42.3	42.6	44.6	45.3
GE 2000	40.5	40.9	41.7	42.5	43.0	43.1	43.7	43.9	44.0	44.4	45.1	45.2	45.5	45.7	47.8	48.5
GE 1800	41.8	42.1	42.9	43.8	44.4	44.6	45.2	45.4	45.5	45.9	46.5	46.7	47.0	47.2	49.3	49.9
GE 1500	43.4	44.0	45.1	46.0	46.7	46.9	48.1	48.5	48.6	48.9	49.6	49.7	50.1	50.3	52.3	53.0
GE 1200	47.7	49.1	50.4	51.5	52.9	53.3	54.9	55.3	55.4	55.8	56.5	56.6	57.1	57.3	59.4	60.0
GE 1000	50.2	51.8	53.1	54.8	56.5	57.1	59.3	59.7	59.9	60.8	62.2	62.3	62.9	63.1	65.2	65.8
GE 900	52.0	53.6	54.9	56.6	58.5	59.1	61.5	62.0	62.2	63.1	64.5	64.6	65.2	65.4	67.4	68.1
GE 800	54.0	55.6	57.2	58.9	61.1	61.7	64.4	64.8	65.0	66.1	67.4	67.5	68.1	68.3	70.4	71.1
GE 700	55.2	56.9	58.9	61.0	63.6	64.2	67.5	68.0	68.3	69.8	71.2	71.3	71.9	72.1	74.1	74.8
GE 600	56.0	58.0	60.2	62.4	65.3	65.9	69.4	70.1	70.8	72.4	73.9	74.0	74.6	74.8	77.1	77.9
GE 500	56.6	58.9	61.3	63.7	67.0	67.8	71.4	72.2	72.9	74.6	76.4	76.5	77.2	77.5	79.9	81.2
GE 400	57.3	59.6	62.1	64.9	68.3	69.5	73.6	75.1	75.8	78.7	80.9	81.0	82.2	82.5	85.1	86.8
GE 300	57.5	59.8	62.3	65.3	69.1	70.3	74.5	76.4	77.1	80.1	83.9	84.0	85.8	86.5	89.6	91.6
GE 200	57.7	59.9	62.4	65.4	69.2	70.4	74.6	76.5	77.2	80.5	85.2	85.4	87.6	88.9	93.0	95.9
GE 100	57.7	59.9	62.4	65.4	69.2	70.4	74.6	76.5	77.2	80.5	85.4	85.5	88.0	90.2	95.9	100.0
GE 000	57.7	59.9	62.4	65.4	69.2	70.4	74.6	76.5	77.2	80.5	85.4	85.5	88.0	90.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 881



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.2	20.2	20.4	20.4	20.8	20.9	20.9	21.0	21.3	21.4	22.2	22.3	23.3	23.4	23.7	24.2
GE 20000	22.3	22.3	22.4	22.4	22.8	22.9	22.9	23.1	23.3	23.4	24.4	24.5	25.5	25.8	26.3	26.9
GE 18000	22.7	22.7	22.8	22.8	23.3	23.4	23.4	23.5	23.7	23.8	24.9	25.0	26.0	26.2	26.8	27.3
GE 16000	22.9	22.9	23.1	23.1	23.5	23.6	23.6	23.7	24.0	24.1	25.1	25.2	26.2	26.4	27.0	27.6
GE 14000	23.4	23.4	23.5	23.5	24.0	24.1	24.1	24.2	24.4	24.5	25.5	25.6	26.7	26.9	27.4	28.0
GE 12000	24.3	24.3	24.4	24.4	24.9	25.0	25.0	25.1	25.3	25.4	26.4	26.5	27.7	27.9	28.5	29.0
GE 10000	26.4	26.4	26.5	26.5	27.0	27.1	27.1	27.2	27.4	27.6	28.6	28.7	29.8	30.0	30.6	31.3
GE 9000	27.9	27.9	28.0	28.0	28.5	28.6	28.6	28.7	28.9	29.0	30.0	30.1	31.3	31.5	32.1	32.7
GE 8000	30.7	30.7	30.8	30.8	31.4	31.5	31.6	31.8	32.1	32.2	33.2	33.3	34.5	34.8	35.3	36.0
GE 7000	33.5	33.5	33.9	33.9	34.4	34.6	34.8	35.0	35.2	35.3	36.3	36.4	37.7	37.9	38.5	39.1
GE 6000	35.2	35.2	35.5	35.5	36.1	36.3	36.4	36.7	36.9	37.0	38.0	38.1	39.4	39.6	40.2	40.8
GE 5000	36.4	36.4	36.8	36.8	37.3	37.6	37.7	37.9	38.1	38.2	39.3	39.4	40.6	40.8	41.4	42.1
GE 4500	37.6	37.6	37.9	37.9	38.5	38.7	38.8	39.0	39.3	39.4	40.4	40.5	41.7	42.0	42.5	43.2
GE 4000	38.5	38.6	39.0	39.1	39.8	40.0	40.2	40.4	40.6	40.7	41.7	41.8	43.1	43.3	43.9	44.5
GE 3500	38.7	38.8	39.3	39.4	40.0	40.3	40.4	40.6	40.8	40.9	42.0	42.1	43.3	43.5	44.1	44.8
GE 3000	39.0	39.1	39.6	39.8	40.5	40.8	40.9	41.2	41.4	41.5	42.5	42.6	43.9	44.1	44.7	45.3
GE 2500	40.5	40.6	41.2	41.5	42.2	42.5	42.6	42.9	43.1	43.2	44.2	44.3	45.6	45.8	46.3	47.0
GE 2000	42.7	43.0	43.8	44.3	45.0	45.3	45.6	45.8	46.0	46.1	47.1	47.2	48.5	48.7	49.3	49.9
GE 1800	43.2	43.5	44.4	45.0	45.7	46.0	46.2	46.5	46.7	46.8	47.8	47.9	49.2	49.4	49.9	50.6
GE 1500	46.6	47.1	48.3	49.2	50.1	50.4	50.7	51.0	51.2	51.4	52.4	52.5	53.8	54.0	54.6	55.2
GE 1200	51.2	51.7	53.1	54.0	54.9	55.2	55.9	56.1	56.4	56.6	57.6	57.7	58.9	59.2	59.7	60.4
GE 1000	54.3	55.5	56.9	57.8	58.7	59.1	59.7	60.4	60.7	61.5	62.9	63.0	64.3	64.6	65.1	66.0
GE 900	55.5	56.6	58.0	59.3	60.4	60.9	61.5	62.2	62.5	63.4	64.8	64.9	66.3	66.5	67.0	67.9
GE 800	57.3	58.6	60.4	61.8	63.1	63.8	64.8	65.9	66.3	67.5	68.8	69.0	70.3	70.6	71.2	72.1
GE 700	59.3	60.6	62.9	64.3	66.1	66.8	68.1	69.2	69.5	70.8	72.3	72.4	73.8	74.1	74.7	75.6
GE 600	61.1	62.5	64.9	66.4	68.4	69.1	70.4	72.0	72.3	73.8	75.4	75.5	77.1	77.4	78.0	79.0
GE 500	61.5	63.2	65.8	67.3	69.6	70.3	72.1	73.7	74.0	75.6	77.3	77.5	79.2	79.5	80.1	81.2
GE 400	62.3	64.6	67.7	69.3	71.8	72.7	74.7	76.7	77.3	79.3	81.9	82.2	84.6	84.9	85.8	87.0
GE 300	62.8	65.0	68.3	70.0	72.7	73.7	75.8	78.3	79.3	81.8	85.3	85.6	88.6	89.0	91.0	92.4
GE 200	62.8	65.0	68.3	70.0	72.7	73.7	75.8	78.6	79.6	82.7	87.1	87.4	91.2	91.9	94.7	96.5
GE 100	62.8	65.0	68.3	70.0	72.7	73.7	75.8	78.6	79.6	82.7	87.2	87.5	91.7	92.8	96.9	99.8
GE 000	62.8	65.0	68.3	70.0	72.7	73.7	75.8	78.6	79.6	82.7	87.2	87.5	91.7	92.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.6	20.6	20.9	21.2	21.2	21.2	21.4	21.4	21.5	22.0	22.2	22.2	22.9	23.0	23.6	23.9
GE 20000	24.0	24.0	24.2	24.6	24.6	24.6	24.8	24.8	24.9	25.4	25.7	25.7	26.5	26.7	27.6	28.0
GE 18000	24.2	24.2	24.5	24.9	24.9	24.9	25.1	25.1	25.3	25.7	26.0	26.0	26.8	27.1	28.0	28.3
GE 16000	24.6	24.6	24.8	25.3	25.3	25.3	25.5	25.5	25.6	26.0	26.4	26.4	27.2	27.4	28.3	28.6
GE 14000	24.8	24.8	25.0	25.5	25.5	25.5	25.7	25.7	25.8	26.3	26.6	26.6	27.4	27.6	28.5	28.9
GE 12000	25.1	25.1	25.4	25.8	25.9	25.9	26.2	26.2	26.3	26.7	27.1	27.1	27.8	28.1	29.0	29.3
GE 10000	28.3	28.3	28.5	29.0	29.1	29.2	29.4	29.4	29.5	30.0	30.3	30.3	31.1	31.3	32.2	32.6
GE 9000	29.7	29.7	29.9	30.3	30.4	30.6	30.8	30.8	30.9	31.3	31.7	31.7	32.5	32.7	33.6	33.9
GE 8000	33.7	33.7	33.9	34.5	34.6	34.7	34.9	34.9	35.1	35.5	35.9	35.9	36.6	36.9	37.8	38.1
GE 7000	36.4	36.4	36.6	37.2	37.3	37.4	37.7	37.7	37.8	38.2	38.6	38.6	39.3	39.7	40.6	40.9
GE 6000	37.4	37.5	37.8	38.3	38.4	38.6	38.8	38.8	38.9	39.3	39.7	39.7	40.5	40.8	41.7	42.1
GE 5000	39.1	39.2	39.5	40.0	40.1	40.2	40.5	40.5	40.6	41.0	41.4	41.4	42.2	42.5	43.4	43.7
GE 4500	40.2	40.4	40.6	41.1	41.3	41.4	41.6	41.6	41.7	42.2	42.5	42.5	43.3	43.6	44.5	44.9
GE 4000	41.3	41.4	41.6	42.2	42.4	42.5	42.7	42.7	42.8	43.3	43.6	43.6	44.4	44.8	45.7	46.0
GE 3500	41.7	41.8	42.1	42.6	42.8	43.0	43.2	43.2	43.3	43.7	44.1	44.1	44.9	45.2	46.1	46.4
GE 3000	42.4	42.5	42.7	43.3	43.5	43.6	43.9	43.9	44.0	44.4	44.8	44.8	45.5	45.9	46.8	47.1
GE 2500	44.1	44.2	44.5	45.1	45.3	45.4	46.3	46.3	46.4	46.9	47.2	47.2	48.0	48.4	49.3	49.6
GE 2000	46.6	46.7	47.1	47.8	48.4	48.5	49.4	49.5	49.6	50.1	50.4	50.4	51.2	51.5	52.4	52.8
GE 1800	47.7	47.8	48.3	48.9	49.6	49.7	50.6	50.7	50.8	51.3	51.6	51.6	52.4	52.8	53.7	54.0
GE 1500	50.6	50.8	51.4	52.2	53.2	53.4	54.7	54.8	54.9	55.5	55.8	55.8	56.7	57.0	57.9	58.3
GE 1200	53.9	54.2	54.9	55.8	57.2	57.5	59.0	59.4	59.5	60.1	60.4	60.4	61.3	61.7	62.8	63.1
GE 1000	57.6	58.1	58.9	59.9	61.6	61.9	63.5	63.9	64.4	65.3	65.8	65.8	66.7	67.1	68.2	68.5
GE 900	60.0	60.5	61.7	63.5	65.2	65.6	67.2	67.6	68.2	69.2	69.9	69.9	70.8	71.1	72.3	72.6
GE 800	61.7	62.3	63.5	65.4	67.3	68.1	69.8	70.2	70.9	72.2	72.8	72.8	73.7	74.1	75.2	75.5
GE 700	63.2	64.1	65.8	67.9	69.8	70.6	72.4	72.8	73.8	75.1	76.0	76.0	77.0	77.3	78.5	78.8
GE 600	64.5	65.6	67.3	69.7	71.8	72.6	74.5	75.4	76.4	77.9	78.8	78.8	79.8	80.3	81.5	82.1
GE 500	65.1	66.2	67.9	70.3	72.8	73.8	76.1	77.1	78.1	79.8	80.8	80.8	82.2	82.8	84.0	84.6
GE 400	65.8	67.0	68.9	71.8	74.7	76.0	79.0	80.4	81.7	83.9	85.2	85.2	86.9	87.6	89.1	89.9
GE 300	66.2	67.3	69.2	72.2	75.3	76.7	80.0	81.6	83.1	85.3	87.3	87.3	89.7	90.6	93.1	94.0
GE 200	66.2	67.3	69.2	72.4	75.5	76.9	80.4	82.2	83.7	86.4	88.7	88.7	91.9	92.9	96.5	98.0
GE 100	66.2	67.3	69.2	72.4	75.5	76.9	80.4	82.2	83.7	86.4	88.7	88.7	92.2	93.5	97.9	99.9
GE 000	66.2	67.3	69.2	72.4	75.5	76.9	80.4	82.2	83.7	86.4	88.7	88.7	92.2	93.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 887

D - 2 - 77

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.9	21.9	21.9	21.9	22.1	22.1	22.2	22.2	22.3	22.7	23.1	23.1	23.5	23.8	24.0	24.4
GE 20000	24.5	24.5	24.5	24.6	24.8	24.8	24.9	24.9	25.0	25.4	25.8	25.8	26.4	26.7	27.0	27.4
GE 18000	24.9	24.9	24.9	25.0	25.3	25.3	25.4	25.4	25.5	25.8	26.3	26.3	26.8	27.2	27.5	27.8
GE 16000	25.0	25.0	25.0	25.1	25.4	25.4	25.5	25.5	25.6	25.9	26.4	26.4	26.9	27.3	27.6	27.9
GE 14000	25.6	25.6	25.6	25.7	25.9	25.9	26.0	26.0	26.1	26.5	26.9	26.9	27.5	27.8	28.2	28.5
GE 12000	27.0	27.0	27.0	27.2	27.4	27.4	27.5	27.5	27.6	27.9	28.4	28.4	28.9	29.3	29.6	29.9
GE 10000	29.2	29.2	29.2	29.3	29.5	29.5	29.6	29.6	29.7	30.1	30.5	30.5	31.1	31.4	31.7	32.1
GE 9000	31.2	31.2	31.2	31.3	31.5	31.5	31.6	31.6	31.7	32.1	32.5	32.5	33.1	33.4	33.7	34.1
GE 8000	34.7	34.7	34.7	34.9	35.1	35.1	35.2	35.2	35.3	35.6	36.1	36.1	36.6	37.0	37.3	37.7
GE 7000	37.7	37.7	37.7	37.8	38.0	38.0	38.1	38.1	38.2	38.8	39.2	39.2	39.8	40.1	40.6	40.9
GE 6000	38.8	38.8	38.8	38.9	39.1	39.1	39.2	39.2	39.3	39.9	40.6	40.6	41.1	41.5	41.9	42.2
GE 5000	40.2	40.2	40.2	40.3	40.6	40.6	40.7	40.7	40.8	41.3	42.0	42.0	42.7	43.0	43.5	43.8
GE 4500	41.0	41.0	41.0	41.1	41.3	41.3	41.5	41.5	41.6	42.1	42.8	42.8	43.6	43.9	44.4	44.7
GE 4000	42.9	42.9	42.9	43.0	43.2	43.2	43.4	43.4	43.5	44.0	44.7	44.7	45.5	45.8	46.3	46.6
GE 3500	43.5	43.5	43.6	43.8	44.0	44.0	44.1	44.1	44.2	44.8	45.5	45.5	46.3	46.7	47.2	47.5
GE 3000	44.2	44.2	44.5	44.9	45.3	45.3	45.4	45.4	45.5	46.0	46.7	46.7	47.5	47.9	48.4	48.7
GE 2500	45.8	45.8	46.1	46.6	46.9	47.0	47.6	47.6	47.8	48.4	49.1	49.1	49.8	50.3	50.7	51.1
GE 2000	48.8	48.9	49.5	50.1	50.6	50.7	51.5	51.5	51.7	52.3	53.0	53.0	53.7	54.2	54.6	55.0
GE 1800	50.5	50.6	51.2	51.7	52.3	52.4	53.2	53.2	53.4	54.0	54.6	54.6	55.4	55.9	56.3	56.6
GE 1500	53.5	53.6	54.2	54.7	55.4	55.6	56.8	56.9	57.1	57.7	58.4	58.4	59.2	59.8	60.2	60.6
GE 1200	56.3	56.4	57.1	57.8	58.5	58.8	60.2	60.4	60.7	61.3	62.1	62.1	62.9	63.5	63.9	64.2
GE 1000	58.4	58.8	59.6	60.6	61.5	62.0	63.6	64.0	64.2	65.1	65.9	65.9	66.7	67.3	67.7	68.0
GE 900	60.2	60.7	61.6	62.7	64.0	64.6	66.3	66.7	66.9	67.8	68.7	68.7	69.6	70.2	70.6	70.9
GE 800	62.3	62.8	63.9	65.0	66.6	67.2	69.1	69.5	69.8	70.8	72.0	72.0	72.8	73.4	73.9	74.2
GE 700	64.0	64.8	66.4	67.6	69.4	69.9	72.2	72.7	73.2	74.5	75.9	75.9	76.9	77.4	77.9	78.2
GE 600	64.4	65.3	66.9	68.2	70.3	70.8	73.2	74.1	74.6	76.8	78.3	78.3	79.3	79.9	80.4	80.9
GE 500	65.1	66.0	68.4	69.7	72.1	72.6	75.3	76.3	77.0	79.4	81.7	81.7	82.9	83.6	84.4	84.8
GE 400	65.9	66.9	69.5	70.8	73.3	73.9	77.2	78.3	79.2	81.8	84.6	84.6	86.0	87.2	87.9	88.5
GE 300	66.1	67.2	69.7	71.1	74.1	74.9	78.2	79.4	80.3	83.0	86.6	86.7	89.5	91.3	92.4	93.2
GE 200	66.1	67.2	69.8	71.2	74.2	75.0	78.4	80.0	80.9	83.7	87.4	87.5	91.1	93.3	95.6	97.1
GE 100	66.1	67.2	69.8	71.2	74.2	75.0	78.4	80.0	80.9	83.7	87.4	87.5	91.5	93.9	97.4	99.9
GE 000	66.1	67.2	69.8	71.2	74.2	75.0	78.4	80.0	80.9	83.7	87.4	87.5	91.5	93.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 895

D - 2 - 78

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.3	18.5	18.7	18.7	18.9	19.1	19.7	20.2
GE 20000	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.1	21.2	21.4	21.7	21.7	21.9	22.2	23.0	23.6
GE 18000	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.1	22.4	22.6	22.6	22.8	23.2	24.0	24.5
GE 16000	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.0	22.1	22.4	22.6	22.6	22.8	23.2	24.0	24.5
GE 14000	22.0	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.4	22.6	22.8	22.8	23.0	23.4	24.2	24.8
GE 12000	23.2	23.3	23.4	23.4	23.6	23.6	23.6	23.6	23.7	24.0	24.2	24.2	24.4	24.8	25.6	26.2
GE 10000	25.6	25.7	25.8	25.8	26.0	26.0	26.0	26.0	26.2	26.4	26.6	26.6	26.8	27.2	28.0	28.6
GE 9000	27.6	27.9	28.1	28.1	28.3	28.3	28.3	28.3	28.5	28.7	28.9	28.9	29.1	29.5	30.3	30.9
GE 8000	30.4	30.6	30.9	30.9	31.1	31.1	31.1	31.2	31.3	31.6	31.8	31.8	32.0	32.4	33.3	33.9
GE 7000	34.8	35.0	35.5	35.6	35.8	35.8	35.9	36.1	36.2	36.4	36.6	36.6	36.9	37.2	38.2	38.8
GE 6000	36.5	36.9	37.3	37.4	37.7	37.7	37.8	37.9	38.0	38.2	38.5	38.5	38.7	39.2	40.2	40.8
GE 5000	38.0	38.4	38.8	38.9	39.2	39.2	39.3	39.4	39.5	39.7	40.0	40.0	40.2	40.7	41.7	42.3
GE 4500	38.5	38.8	39.3	39.4	39.6	39.6	39.7	39.9	40.0	40.2	40.4	40.4	40.7	41.1	42.2	42.7
GE 4000	40.1	40.4	40.9	41.0	41.6	41.6	41.7	41.8	41.9	42.2	42.4	42.4	42.7	43.3	44.5	45.0
GE 3500	40.9	41.2	41.7	41.8	42.9	42.9	43.0	43.3	43.4	43.7	43.9	43.9	44.2	44.8	46.0	46.5
GE 3000	42.4	42.9	43.4	43.7	45.2	45.2	45.3	45.6	45.7	46.0	46.2	46.2	46.7	47.2	48.5	49.1
GE 2500	44.2	44.7	45.4	45.6	47.2	47.4	47.7	48.2	48.3	48.5	48.8	48.8	49.3	49.9	51.2	51.7
GE 2000	46.2	46.7	47.6	48.0	49.9	50.0	50.5	51.2	51.3	51.5	51.8	51.8	52.3	52.9	54.1	54.7
GE 1800	47.4	47.9	48.8	49.3	51.2	51.3	51.7	52.4	52.5	52.8	53.1	53.1	53.6	54.1	55.4	56.0
GE 1500	49.4	50.1	51.0	51.8	53.8	53.9	54.7	55.4	55.6	55.9	56.2	56.2	56.7	57.3	58.5	59.1
GE 1200	52.3	53.0	54.5	55.5	57.9	58.1	58.9	59.6	59.8	60.0	60.4	60.4	60.8	61.4	62.7	63.2
GE 1000	54.8	55.5	57.4	58.5	61.5	62.0	62.9	63.6	63.8	64.4	64.9	64.9	65.3	65.9	67.2	67.7
GE 900	55.9	56.6	58.4	59.6	63.0	63.5	64.4	65.1	65.3	65.9	66.4	66.4	66.8	67.4	68.7	69.2
GE 800	58.1	58.9	61.2	62.4	65.9	66.4	67.3	68.0	68.2	68.8	69.2	69.2	69.7	70.3	71.5	72.1
GE 700	59.6	60.7	63.4	64.6	68.2	68.7	70.0	70.9	71.1	71.9	72.4	72.4	72.9	73.5	74.8	75.3
GE 600	61.2	62.3	65.1	66.4	70.3	70.7	72.1	73.0	73.6	75.0	75.5	75.5	76.3	76.8	78.7	79.4
GE 500	62.2	63.6	66.6	68.0	72.5	73.0	74.8	75.8	76.5	78.0	79.4	79.4	80.8	81.3	83.5	84.6
GE 400	63.5	65.0	68.4	69.8	74.8	75.6	77.5	78.7	79.5	81.0	83.8	83.8	85.4	86.5	88.8	90.1
GE 300	63.7	65.2	68.7	70.0	75.0	75.8	77.8	79.0	80.0	81.8	85.1	85.1	87.6	89.4	91.8	92.3
GE 200	63.8	65.3	68.8	70.2	75.2	76.0	78.0	79.3	80.2	82.5	85.8	85.8	88.6	91.4	95.6	98.5
GE 100	63.8	65.3	68.8	70.2	75.2	76.0	78.0	79.3	80.2	82.5	85.8	85.8	88.6	91.4	96.3	99.9
GE 000	63.8	65.3	68.8	70.2	75.2	76.0	78.0	79.3	80.2	82.5	85.8	85.8	88.6	91.4	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 868

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.9	17.9	18.0	18.0	18.2	18.4	19.2	19.4
GE 20000	20.2	20.3	20.3	20.3	20.3	20.3	20.4	20.4	20.5	20.5	20.7	20.7	21.0	21.2	22.7	22.9
GE 18000	20.7	20.9	20.9	20.9	20.9	20.9	21.0	21.0	21.1	21.1	21.3	21.3	21.5	21.8	23.3	23.5
GE 16000	20.7	20.9	20.9	20.9	20.9	20.9	21.0	21.0	21.1	21.1	21.3	21.3	21.5	21.8	23.3	23.5
GE 14000	21.0	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.3	21.3	21.5	21.5	21.8	22.0	23.5	23.7
GE 12000	21.7	21.8	21.8	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.2	22.2	22.5	22.7	24.2	24.4
GE 10000	23.4	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.7	23.7	24.0	24.0	24.2	24.4	25.9	26.2
GE 9000	24.9	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.2	25.2	25.5	25.5	25.7	25.9	27.4	27.6
GE 8000	27.2	27.3	27.3	27.3	27.3	27.3	27.5	27.5	27.6	27.6	27.9	27.9	28.1	28.3	29.8	30.1
GE 7000	30.8	31.0	31.0	31.0	31.0	31.2	31.6	31.6	31.7	31.7	31.9	31.9	32.1	32.4	33.9	34.1
GE 6000	32.0	32.3	32.3	32.3	32.3	32.5	32.8	32.8	32.9	32.9	33.2	33.2	33.4	33.6	35.1	35.4
GE 5000	33.5	33.8	33.8	33.8	33.8	34.0	34.3	34.3	34.4	34.4	34.7	34.7	34.9	35.1	36.9	37.2
GE 4500	34.0	34.2	34.2	34.2	34.2	34.4	34.8	34.8	34.9	34.9	35.1	35.1	35.4	35.6	37.3	37.7
GE 4000	36.3	37.0	37.1	37.1	37.3	37.6	37.9	37.9	38.0	38.0	38.4	38.5	38.7	39.3	41.1	41.5
GE 3500	37.8	38.6	38.8	38.9	39.2	39.4	39.7	39.7	39.9	39.9	40.2	40.3	40.6	41.1	43.1	43.4
GE 3000	39.5	40.3	40.6	40.7	41.2	41.5	41.8	41.9	42.1	42.1	42.5	42.6	42.9	43.4	45.4	45.7
GE 2500	41.5	42.3	42.7	43.0	44.0	44.6	44.9	45.4	45.6	45.9	46.3	46.4	46.7	47.2	49.2	49.5
GE 2000	44.6	45.6	46.3	46.8	48.4	49.1	49.7	50.1	50.3	50.6	51.0	51.2	51.4	52.0	54.1	54.6
GE 1800	46.1	47.1	47.9	48.4	50.0	50.7	51.3	51.7	52.0	52.2	52.6	52.8	53.0	53.6	55.8	56.2
GE 1500	47.6	48.7	49.8	50.2	52.1	52.8	53.7	54.3	54.7	55.0	55.4	55.5	55.8	56.3	58.5	59.0
GE 1200	52.0	53.5	54.7	55.2	57.1	57.9	59.0	59.6	60.0	60.3	60.7	60.8	61.1	61.6	63.8	64.3
GE 1000	54.1	55.6	57.4	57.8	59.9	61.2	62.9	63.5	64.1	64.5	65.0	65.1	65.3	65.9	68.1	68.5
GE 900	55.9	57.4	59.3	59.8	62.2	63.5	65.2	65.8	66.4	66.8	67.3	67.4	67.6	68.2	70.4	70.9
GE 800	57.6	59.1	61.3	62.0	64.7	66.0	67.9	68.4	69.0	69.7	70.2	70.3	70.9	71.4	73.6	74.1
GE 700	58.6	60.3	62.7	63.4	66.2	67.7	69.9	70.5	71.1	71.9	72.4	72.5	73.0	73.6	75.9	76.4
GE 600	59.8	61.4	63.9	64.6	67.9	69.4	71.5	72.6	73.3	74.5	75.0	75.1	75.7	76.3	78.8	79.6
GE 500	60.6	62.3	65.1	65.8	69.5	71.2	73.8	74.9	75.6	77.0	77.6	77.8	78.7	79.5	82.4	83.2
GE 400	61.4	63.1	66.1	66.9	70.7	72.5	75.1	76.3	77.1	78.6	80.4	80.5	81.7	82.5	85.4	86.3
GE 300	61.5	63.2	66.2	67.1	70.9	72.6	75.3	76.6	77.8	79.3	82.1	82.3	83.6	85.0	89.2	90.4
GE 200	61.8	63.5	66.5	67.3	71.3	73.0	75.8	77.2	78.3	80.1	82.9	83.1	85.1	87.3	93.0	96.2
GE 100	61.8	63.5	66.5	67.3	71.3	73.0	75.8	77.2	78.3	80.1	82.9	83.1	85.3	87.4	93.4	99.7
GE 000	61.8	63.5	66.5	67.3	71.3	73.0	75.8	77.2	78.3	80.1	82.9	83.1	85.3	87.4	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 868

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	19.7	19.8	19.9	20.0	20.3	20.3	20.5	20.5	20.6	20.8	21.2	21.3	21.7	21.9	22.6	23.0
GE 20000	21.9	22.0	22.2	22.3	22.6	22.6	22.8	22.8	22.9	23.1	23.6	23.7	24.2	24.4	25.4	25.9
GE 18000	22.3	22.4	22.6	22.7	23.0	23.0	23.2	23.2	23.3	23.5	24.0	24.1	24.6	24.8	25.8	26.3
GE 16000	22.4	22.5	22.7	22.8	23.1	23.1	23.2	23.3	23.4	23.6	24.1	24.2	24.6	24.9	25.9	26.4
GE 14000	22.6	22.7	22.9	23.0	23.3	23.3	23.5	23.5	23.6	23.8	24.3	24.4	24.9	25.1	26.1	26.6
GE 12000	23.5	23.6	23.8	23.9	24.2	24.2	24.4	24.5	24.6	24.7	25.2	25.3	25.8	26.0	27.0	27.5
GE 10000	25.6	25.6	25.8	26.0	26.3	26.3	26.5	26.6	26.7	26.9	27.4	27.4	27.9	28.2	29.2	29.6
GE 9000	27.0	27.1	27.3	27.5	27.8	27.9	28.0	28.1	28.2	28.4	28.9	28.9	29.4	29.7	30.7	31.2
GE 8000	30.2	30.3	30.6	30.7	31.1	31.1	31.3	31.4	31.5	31.7	32.3	32.3	32.8	33.0	34.1	34.5
GE 7000	33.1	33.3	33.6	33.8	34.2	34.3	34.5	34.6	34.7	35.0	35.5	35.6	36.1	36.3	37.4	37.9
GE 6000	34.1	34.4	34.7	34.9	35.3	35.4	35.6	35.7	35.8	36.1	36.7	36.7	37.2	37.5	38.5	39.0
GE 5000	35.5	35.7	36.0	36.2	36.6	36.7	36.9	37.1	37.2	37.4	38.0	38.1	38.6	38.9	40.0	40.5
GE 4500	36.1	36.4	36.7	36.9	37.3	37.4	37.6	37.7	37.9	38.1	38.7	38.8	39.3	39.6	40.6	41.2
GE 4000	37.4	37.7	38.1	38.3	38.8	38.9	39.1	39.3	39.4	39.7	40.3	40.4	41.0	41.3	42.4	42.9
GE 3500	38.5	38.8	39.2	39.5	40.1	40.1	40.4	40.5	40.6	40.9	41.6	41.6	42.2	42.5	43.6	44.2
GE 3000	39.6	40.0	40.4	40.8	41.5	41.6	41.8	42.0	42.1	42.4	43.1	43.1	43.7	44.1	45.2	45.7
GE 2500	41.5	41.9	42.5	42.9	43.6	43.8	44.3	44.5	44.7	45.0	45.7	45.7	46.3	46.6	47.8	48.3
GE 2000	44.0	44.5	45.2	45.8	46.9	47.1	47.7	48.0	48.1	48.5	49.2	49.2	49.8	50.2	51.3	51.9
GE 1800	45.3	45.9	46.7	47.3	48.3	48.6	49.2	49.5	49.7	50.0	50.7	50.8	51.4	51.7	52.8	53.4
GE 1500	47.7	48.3	49.3	50.0	51.2	51.5	52.5	52.9	53.1	53.4	54.2	54.2	54.9	55.2	56.4	57.0
GE 1200	51.5	52.3	53.7	54.5	56.1	56.6	57.9	58.3	58.5	58.9	59.7	59.7	60.3	60.7	61.9	62.5
GE 1000	54.2	55.2	56.8	57.9	59.8	60.5	62.1	62.6	62.9	63.6	64.5	64.6	65.3	65.6	66.8	67.4
GE 900	55.8	56.9	58.6	59.9	62.1	62.8	64.5	65.0	65.3	66.0	67.0	67.1	67.8	68.1	69.3	69.9
GE 800	57.9	59.0	61.0	62.3	64.7	65.6	67.4	68.0	68.3	69.2	70.2	70.2	71.0	71.4	72.6	73.2
GE 700	59.2	60.5	62.9	64.5	67.2	68.0	70.2	70.8	71.2	72.2	73.4	73.4	74.3	74.6	75.8	76.5
GE 600	60.3	61.7	64.2	65.9	68.9	69.8	72.0	73.0	73.5	74.9	76.1	76.2	77.2	77.5	78.9	79.7
GE 500	61.0	62.5	65.3	67.1	70.4	71.4	73.8	74.9	75.5	77.0	78.7	78.8	80.0	80.5	82.0	82.9
GE 400	61.8	63.5	66.4	68.5	72.0	73.1	76.0	77.4	78.2	80.1	82.5	82.6	84.1	84.7	86.4	87.5
GE 300	62.1	63.7	66.7	68.8	72.5	73.7	76.6	78.4	79.3	81.6	84.8	85.0	87.3	88.3	90.8	92.1
GE 200	62.1	63.8	66.8	68.9	72.7	73.8	76.9	78.8	79.7	82.2	86.0	86.1	89.0	90.5	94.4	96.8
GE 100	62.1	63.8	66.8	68.9	72.7	73.8	76.9	78.8	79.7	82.2	86.0	86.2	89.3	91.0	95.9	99.8
GE 000	62.1	63.8	66.8	68.9	72.7	73.8	76.9	78.8	79.7	82.2	86.0	86.2	89.3	91.0	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7066

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.6	21.0	21.6	21.8	22.8	23.0	23.1	23.5	23.9	24.0	24.1	24.1	24.3	24.3	24.6	24.8
GE 20000	21.7	22.1	22.7	22.9	23.9	24.1	24.2	24.6	25.0	25.1	25.2	25.2	25.4	25.4	25.7	25.9
GE 18000	21.9	22.3	22.9	23.1	24.1	24.3	24.4	24.9	25.2	25.3	25.4	25.4	25.6	25.6	26.0	26.1
GE 16000	21.9	22.3	22.9	23.1	24.1	24.3	24.4	24.9	25.2	25.3	25.4	25.4	25.6	25.6	26.0	26.1
GE 14000	21.9	22.3	22.9	23.1	24.1	24.3	24.4	24.9	25.2	25.3	25.4	25.4	25.6	25.6	26.0	26.1
GE 12000	22.8	23.2	23.8	24.0	25.0	25.2	25.3	25.7	26.1	26.2	26.3	26.3	26.5	26.5	26.8	27.0
GE 10000	23.7	24.1	24.6	25.0	26.1	26.3	26.5	27.0	27.3	27.4	27.5	27.5	27.7	27.7	28.1	28.2
GE 9000	25.5	26.0	26.6	27.1	28.3	28.5	28.7	29.2	29.5	29.6	29.7	29.7	29.9	29.9	30.3	30.4
GE 8000	27.2	27.6	28.3	28.7	29.9	30.4	30.6	31.0	31.4	31.5	31.8	31.8	32.0	32.0	32.3	32.5
GE 7000	28.8	29.3	29.9	30.4	31.6	32.3	32.6	33.0	33.3	33.6	33.9	33.9	34.1	34.1	34.5	34.7
GE 6000	29.7	30.3	31.1	31.6	32.8	33.6	33.8	34.2	34.5	34.8	35.1	35.1	35.3	35.3	35.8	35.9
GE 5000	30.6	31.2	32.1	32.6	33.8	34.5	34.8	35.2	35.5	35.8	36.1	36.1	36.3	36.3	36.7	36.9
GE 4500	31.0	31.7	32.7	33.3	35.0	35.8	36.0	36.4	36.7	37.0	37.3	37.3	37.5	37.5	38.0	38.1
GE 4000	33.0	33.7	34.8	35.4	37.1	37.8	38.1	38.5	38.9	39.2	39.5	39.5	39.7	39.7	40.2	40.3
GE 3500	33.6	34.2	35.3	36.0	37.7	38.7	38.9	39.5	40.0	40.4	40.7	40.7	40.9	40.9	41.4	41.5
GE 3000	34.7	35.3	37.1	37.8	39.9	40.9	41.1	41.7	42.2	42.8	43.1	43.1	43.3	43.3	43.8	43.9
GE 2500	35.8	36.7	38.5	39.3	41.9	42.9	43.6	44.2	45.0	45.5	45.9	45.9	46.2	46.2	46.6	46.8
GE 2000	37.5	38.6	40.5	41.3	44.2	45.2	46.1	46.8	47.7	48.3	48.7	48.7	49.1	49.1	49.5	49.6
GE 1800	38.1	39.3	41.3	42.0	45.1	46.1	47.1	48.0	49.0	49.5	49.9	49.9	50.3	50.3	50.7	50.8
GE 1500	40.6	41.9	44.6	45.5	48.6	50.1	51.0	52.7	53.9	54.7	56.0	56.0	57.1	57.1	57.5	57.6
GE 1200	47.2	48.7	53.0	54.6	57.8	59.4	60.8	62.8	64.0	65.5	67.1	67.1	69.1	69.1	69.5	70.0
GE 1000	51.5	53.5	58.6	60.9	65.2	66.9	68.6	70.8	72.1	73.8	76.0	76.0	78.1	78.1	78.9	79.6
GE 900	53.9	55.9	61.1	63.5	67.9	69.6	71.6	73.8	75.2	77.3	79.5	79.5	81.6	81.6	82.4	83.2
GE 800	55.9	57.9	63.3	66.2	71.5	73.5	75.9	78.5	80.4	82.8	85.0	85.0	87.3	87.3	88.1	88.9
GE 700	57.1	59.3	64.8	68.0	73.4	75.4	78.1	80.7	82.6	85.0	87.2	87.2	89.5	89.5	90.3	91.1
GE 600	58.9	61.1	66.8	70.4	76.6	78.5	81.7	84.4	86.2	88.8	91.3	91.3	93.7	93.7	94.5	95.3
GE 500	59.5	61.8	67.5	71.2	77.8	79.8	83.2	85.8	87.7	90.2	92.7	92.7	95.2	95.2	95.9	96.7
GE 400	59.7	62.0	67.9	71.5	78.5	80.5	84.2	86.8	88.7	91.3	93.9	93.9	96.6	96.6	97.7	98.5
GE 300	59.7	62.0	67.9	71.5	78.8	80.9	84.5	87.2	89.1	92.0	94.6	94.6	97.2	97.2	98.9	99.7
GE 200	59.7	62.0	67.9	71.5	78.8	80.9	84.5	87.2	89.1	92.0	94.6	94.6	97.2	97.2	98.9	99.8
GE 100	59.7	62.0	67.9	71.5	78.8	80.9	84.5	87.2	89.1	92.0	94.6	94.6	97.2	97.2	98.9	100.0
GE 000	59.7	62.0	67.9	71.5	78.8	80.9	84.5	87.2	89.1	92.0	94.6	94.6	97.2	97.2	98.9	100.0

TOTAL NUMBER F OBSERVATIONS 909

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.3	20.9	21.1	21.2	22.2	22.3	22.6	22.8	22.9	22.9	23.1	23.1	23.5	23.5	23.7	23.7
GE 20000	20.9	21.4	21.6	21.7	22.7	22.8	23.1	23.4	23.5	23.5	23.7	23.7	24.0	24.0	24.2	24.2
GE 18000	21.4	21.9	22.2	22.3	23.3	23.4	23.7	23.9	24.0	24.0	24.2	24.2	24.6	24.6	24.8	24.8
GE 16000	21.4	21.9	22.2	22.3	23.3	23.4	23.7	23.9	24.0	24.0	24.2	24.2	24.6	24.6	24.8	24.8
GE 14000	21.4	21.9	22.2	22.3	23.3	23.4	23.7	23.9	24.0	24.0	24.2	24.2	24.6	24.6	24.8	24.8
GE 12000	22.1	22.6	22.8	22.9	23.9	24.0	24.3	24.6	24.7	24.7	24.9	24.9	25.2	25.2	25.4	25.4
GE 10000	23.5	24.0	24.2	24.3	25.3	25.4	25.8	26.0	26.1	26.1	26.3	26.3	26.6	26.6	26.9	26.9
GE 9000	25.2	25.8	26.0	26.1	27.1	27.2	27.5	27.7	27.8	27.8	28.1	28.1	28.4	28.4	28.6	28.6
GE 8000	26.7	27.3	27.6	27.8	28.9	29.4	29.7	30.0	30.1	30.1	30.7	30.7	31.0	31.0	31.2	31.2
GE 7000	28.5	29.3	29.6	29.8	31.0	31.4	31.8	32.1	32.2	32.2	32.8	32.8	33.1	33.1	33.3	33.3
GE 6000	29.4	30.1	30.6	30.8	32.2	32.6	33.0	33.3	33.4	33.4	34.0	34.0	34.3	34.3	34.5	34.5
GE 5000	29.8	30.6	31.2	31.4	32.9	33.3	33.6	34.0	34.1	34.1	34.6	34.6	34.9	34.9	35.2	35.2
GE 4500	30.2	31.0	31.7	32.1	33.8	34.3	34.6	34.9	35.3	35.3	35.8	35.8	36.1	36.1	36.4	36.4
GE 4000	32.6	33.5	34.4	34.8	36.6	37.0	37.3	37.7	38.0	38.0	38.5	38.5	38.9	38.9	39.1	39.1
GE 3500	32.9	33.7	34.6	35.0	36.8	37.7	38.0	38.3	38.6	38.6	39.2	39.2	39.5	39.5	39.7	39.7
GE 3000	33.0	34.0	35.3	35.8	37.7	38.5	38.9	39.2	39.5	39.8	40.4	40.4	40.7	40.7	40.9	40.9
GE 2500	33.1	34.1	35.6	36.5	38.5	39.6	40.8	41.5	41.8	42.2	43.0	43.0	43.3	43.3	43.6	43.6
GE 2000	36.0	37.2	38.9	39.8	42.4	43.6	44.9	45.5	46.2	46.6	47.4	47.4	47.7	47.7	47.9	47.9
GE 1800	37.9	39.3	41.3	42.5	45.2	46.6	48.3	48.9	49.6	50.0	50.8	50.8	51.1	51.1	51.3	51.3
GE 1500	40.4	42.4	44.7	46.2	49.7	51.5	53.4	54.5	55.2	56.0	58.0	58.0	58.5	58.5	58.7	58.7
GE 1200	47.2	49.7	53.1	55.0	59.4	61.9	64.2	65.8	66.9	67.9	70.5	70.5	71.5	71.5	71.7	72.1
GE 1000	52.1	54.6	58.4	61.2	66.5	69.0	71.4	73.3	74.5	75.5	78.6	78.6	79.7	79.7	79.9	80.6
GE 900	53.7	56.2	60.3	63.4	68.9	71.5	74.2	76.1	77.4	79.0	82.1	82.1	83.2	83.2	83.4	84.1
GE 800	55.7	58.4	62.6	65.9	71.8	74.7	77.7	79.6	81.1	83.1	86.1	86.1	87.4	87.4	87.7	88.3
GE 700	56.6	59.5	63.9	67.5	73.5	76.3	79.6	81.4	83.0	84.9	88.0	88.0	89.3	89.3	89.5	90.2
GE 600	57.4	60.5	64.8	68.9	76.1	79.0	82.3	84.2	85.7	87.7	90.9	90.9	92.5	92.5	92.7	93.3
GE 500	58.4	61.5	65.9	70.0	77.3	80.2	83.5	85.7	87.6	89.6	92.9	92.9	94.4	94.4	94.7	95.3
GE 400	58.5	61.7	66.5	70.5	78.2	81.2	84.8	87.6	89.4	91.5	94.8	94.8	96.3	96.5	97.1	97.7
GE 300	58.6	61.8	66.6	70.6	78.4	81.4	85.0	87.9	89.7	91.8	95.1	95.1	96.6	97.1	97.9	98.6
GE 200	58.6	61.8	66.6	70.6	78.4	81.6	85.3	88.1	90.0	92.0	95.6	95.6	97.6	98.0	98.9	99.6
GE 100	58.6	61.8	66.6	70.6	78.4	81.6	85.3	88.1	90.0	92.0	95.6	95.6	97.6	98.0	98.9	100.0
GE 000	58.6	61.8	66.6	70.6	78.4	81.6	85.3	88.1	90.0	92.0	95.6	95.6	97.6	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 916



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.4	20.9	21.6	22.2	22.8	22.8	22.8	22.8	23.0	23.1	23.2	23.2	23.3	23.3	23.3	23.9
GE 20000	21.7	22.2	23.0	23.6	24.3	24.3	24.3	24.3	24.4	24.6	24.7	24.7	24.8	24.8	24.8	25.5
GE 18000	21.9	22.3	23.1	23.7	24.4	24.4	24.4	24.4	24.5	24.7	24.8	24.8	24.9	24.9	24.9	25.6
GE 16000	21.9	22.3	23.1	23.7	24.4	24.4	24.4	24.4	24.5	24.7	24.8	24.8	24.9	24.9	24.9	25.6
GE 14000	21.9	22.3	23.1	23.7	24.4	24.4	24.4	24.4	24.5	24.7	24.8	24.8	24.9	24.9	24.9	25.6
GE 12000	22.6	23.1	23.8	24.5	25.1	25.1	25.1	25.1	25.2	25.5	25.6	25.6	25.7	25.7	25.7	26.3
GE 10000	24.5	24.9	25.7	26.3	27.0	27.0	27.0	27.0	27.1	27.3	27.4	27.4	27.5	27.5	27.5	28.2
GE 9000	25.8	26.2	27.0	27.7	28.3	28.3	28.3	28.3	28.4	28.6	28.7	28.7	28.9	28.9	28.9	29.5
GE 8000	27.5	28.1	29.0	29.6	30.4	30.7	30.8	30.9	31.0	31.3	31.6	31.6	31.7	31.7	31.7	32.3
GE 7000	29.7	30.4	31.4	32.0	32.9	33.2	33.3	33.6	33.7	33.9	34.2	34.2	34.3	34.3	34.3	35.0
GE 6000	30.3	30.9	31.9	32.6	33.4	33.8	33.9	34.1	34.2	34.4	34.8	34.9	35.0	35.0	35.0	35.6
GE 5000	30.5	31.1	32.3	33.1	34.1	34.4	34.5	34.8	34.9	35.2	35.5	35.6	35.7	35.7	35.7	36.4
GE 4500	30.7	31.5	32.7	33.4	34.6	35.0	35.1	35.3	35.7	36.1	36.5	36.6	36.7	36.7	36.7	37.4
GE 4000	32.7	33.6	34.9	36.0	37.2	37.5	37.6	37.8	38.3	38.6	39.0	39.1	39.2	39.2	39.2	39.9
GE 3500	33.1	34.0	35.3	36.4	37.6	37.9	38.0	38.3	38.7	39.0	39.5	39.6	39.7	39.7	39.7	40.3
GE 3000	33.6	34.4	36.2	37.4	38.8	39.1	39.2	39.5	39.9	40.5	41.0	41.1	41.2	41.2	41.2	41.9
GE 2500	35.0	35.8	38.0	39.6	41.1	41.5	41.9	42.2	42.6	43.4	43.8	43.9	44.0	44.0	44.2	44.8
GE 2000	37.0	38.1	40.8	42.3	44.2	44.7	45.2	45.8	46.3	47.1	47.8	47.9	48.0	48.0	48.1	48.7
GE 1800	39.0	40.2	43.0	44.5	46.4	47.1	47.8	48.3	49.1	49.8	50.5	50.6	50.7	50.7	50.8	51.5
GE 1500	41.5	43.0	46.2	48.5	51.6	52.6	53.2	54.0	55.2	56.6	57.4	57.5	57.7	57.7	58.0	58.7
GE 1200	49.7	51.7	55.6	58.7	62.6	63.8	65.6	67.2	68.4	70.1	71.0	71.1	71.5	71.5	71.9	72.8
GE 1000	53.9	56.3	60.7	64.5	69.1	70.3	72.0	73.7	74.9	76.8	77.9	78.0	78.6	78.7	79.1	80.1
GE 900	55.8	58.3	62.7	66.7	71.7	72.9	74.6	76.4	77.6	80.3	81.4	81.5	82.1	82.2	82.6	83.6
GE 800	58.0	60.7	65.1	69.2	74.3	75.6	77.5	79.7	81.1	83.8	84.9	85.0	85.6	85.7	86.1	87.1
GE 700	59.8	62.4	67.1	71.4	76.9	78.3	80.2	82.5	83.9	86.7	87.8	87.9	88.4	88.5	89.0	89.9
GE 600	60.1	62.7	67.7	71.9	77.6	79.0	81.3	83.7	85.1	88.1	89.2	89.3	89.8	89.9	90.7	91.7
GE 500	60.5	63.3	68.5	72.9	78.7	80.1	82.6	85.4	86.8	89.8	91.0	91.1	91.7	91.8	92.6	93.6
GE 400	61.6	64.4	69.8	74.2	80.5	82.2	85.4	88.6	90.1	93.1	94.8	94.9	95.6	95.8	96.6	97.6
GE 300	61.7	64.5	70.1	74.4	81.0	82.6	85.9	89.3	90.7	93.9	95.6	95.7	96.5	96.7	97.9	98.9
GE 200	61.9	64.6	70.2	74.5	81.1	82.7	86.0	89.4	90.8	94.0	95.8	96.0	96.9	97.2	98.4	99.7
GE 100	61.9	64.6	70.2	74.5	81.1	82.7	86.0	89.4	90.8	94.0	95.8	96.0	96.9	97.2	98.5	100.0
GE 000	61.9	64.6	70.2	74.5	81.1	82.7	86.0	89.4	90.8	94.0	95.8	96.0	96.9	97.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.0	23.7	24.5	25.0	25.9	25.9	26.2	26.2	26.2	26.2	26.4	26.4	27.0	27.0	27.0	27.3
GE 20000	24.3	25.0	25.9	26.6	27.5	27.5	28.1	28.1	28.1	28.1	28.3	28.3	28.9	28.9	29.0	29.5
GE 18000	24.5	25.2	26.2	26.9	27.9	27.9	28.4	28.4	28.4	28.4	28.6	28.6	29.2	29.2	29.3	29.8
GE 16000	24.5	25.2	26.2	26.9	27.9	27.9	28.4	28.4	28.4	28.4	28.6	28.6	29.2	29.2	29.3	29.8
GE 14000	24.7	25.5	26.4	27.1	28.1	28.1	28.6	28.6	28.6	28.6	28.9	28.9	29.4	29.4	29.5	30.1
GE 12000	24.9	25.7	26.8	27.4	28.5	28.5	29.1	29.1	29.1	29.1	29.3	29.3	29.8	29.8	29.9	30.5
GE 10000	26.1	27.0	28.2	29.0	30.1	30.1	30.6	30.6	30.6	30.6	30.8	30.8	31.4	31.4	31.5	32.0
GE 9000	26.7	27.5	28.7	29.5	30.6	30.6	31.1	31.1	31.1	31.1	31.4	31.4	31.9	31.9	32.0	32.6
GE 8000	28.0	29.2	30.6	31.4	32.5	32.6	33.2	33.4	33.4	33.6	33.9	33.9	34.5	34.5	34.6	35.2
GE 7000	29.4	30.7	32.5	33.3	34.4	34.5	35.2	35.4	35.4	35.5	35.8	35.8	36.5	36.5	36.6	37.2
GE 6000	30.1	31.4	33.1	34.0	35.1	35.2	35.8	36.1	36.1	36.2	36.5	36.5	37.2	37.2	37.3	37.8
GE 5000	30.8	32.1	34.0	34.9	36.0	36.1	36.7	36.9	36.9	37.0	37.4	37.4	38.0	38.0	38.1	38.7
GE 4500	31.8	33.1	35.1	36.0	37.0	37.2	37.8	38.0	38.0	38.1	38.5	38.5	39.1	39.1	39.2	39.8
GE 4000	33.0	34.3	36.5	37.5	38.6	38.7	39.3	39.6	39.6	39.7	40.0	40.0	40.7	40.7	40.8	41.3
GE 3500	34.5	35.8	38.1	39.1	40.2	40.3	41.1	41.3	41.3	41.4	41.7	41.7	42.4	42.4	42.5	43.1
GE 3000	35.4	36.7	39.3	40.4	41.5	41.9	42.6	42.8	42.8	43.0	43.3	43.3	43.9	43.9	44.0	44.6
GE 2500	36.9	38.3	41.0	42.4	43.8	44.2	45.0	45.2	45.2	45.4	45.7	45.7	46.3	46.3	46.6	47.1
GE 2000	39.1	40.4	43.4	44.9	46.7	47.0	47.9	48.2	48.2	48.3	48.9	48.9	49.5	49.5	49.7	50.3
GE 1800	40.2	41.5	44.5	46.1	48.0	48.5	49.5	49.8	49.8	50.1	50.6	50.6	51.3	51.3	51.5	52.0
GE 1500	43.0	44.5	47.4	49.4	51.9	52.8	54.3	55.2	55.4	55.8	57.0	57.0	58.1	58.1	58.7	59.3
GE 1200	50.6	52.6	56.6	59.1	62.8	64.0	66.3	68.0	68.3	68.7	70.2	70.2	71.6	71.6	72.2	73.3
GE 1000	54.2	56.6	60.7	63.2	67.4	68.6	71.0	72.7	73.0	73.6	75.2	75.2	77.0	77.0	77.8	79.0
GE 900	56.4	58.8	63.0	65.5	69.9	71.1	73.6	75.3	75.6	76.5	78.1	78.1	80.0	80.0	80.8	82.0
GE 800	58.4	60.8	64.9	67.5	72.7	73.9	76.4	78.4	78.8	79.8	81.4	81.4	83.3	83.3	84.0	85.2
GE 700	59.2	61.7	66.1	68.9	74.5	75.7	78.4	80.3	80.8	81.7	83.6	83.6	85.6	85.6	86.3	87.5
GE 600	60.0	62.8	67.3	70.3	76.1	77.3	80.0	82.2	82.7	83.7	85.6	85.6	87.7	87.9	89.0	90.2
GE 500	61.0	63.9	68.6	72.0	78.7	79.9	82.6	85.4	86.0	87.0	88.9	88.9	90.9	91.1	92.5	93.7
GE 400	61.9	64.9	69.7	73.1	80.2	81.4	84.6	87.3	88.2	89.3	91.7	91.7	93.9	94.1	95.7	96.9
GE 300	61.9	64.9	69.7	73.1	80.2	81.4	84.6	87.3	88.3	89.5	92.1	92.1	94.5	94.9	96.9	98.1
GE 200	61.9	64.9	69.7	73.1	80.3	81.5	84.7	87.4	88.5	89.9	93.0	93.0	95.4	95.8	98.5	99.8
GE 100	61.9	64.9	69.7	73.1	80.4	81.6	84.8	87.5	88.6	90.1	93.1	93.1	95.5	96.0	98.7	100.0
GE 000	61.9	64.9	69.7	73.1	80.4	81.6	84.8	87.5	88.6	90.1	93.1	93.1	95.5	96.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.9	25.8	26.5	26.9	27.9	27.9	27.9	28.0	28.0	28.0	28.2	28.2	28.4	28.5	28.7	28.7
GE 20000	25.7	26.8	27.6	28.1	29.4	29.4	29.4	29.6	29.6	29.6	29.8	29.8	29.9	30.0	30.5	30.5
GE 18000	26.3	27.4	28.1	28.7	30.0	30.0	30.0	30.1	30.1	30.1	30.3	30.3	30.4	30.5	31.1	31.1
GE 16000	26.3	27.4	28.1	28.7	30.0	30.0	30.0	30.1	30.1	30.1	30.3	30.3	30.4	30.5	31.1	31.1
GE 14000	26.4	27.5	28.2	28.8	30.1	30.1	30.1	30.2	30.2	30.2	30.4	30.4	30.5	30.6	31.2	31.2
GE 12000	27.4	28.5	29.2	29.8	31.1	31.1	31.1	31.2	31.2	31.2	31.4	31.4	31.5	31.6	32.2	32.2
GE 10000	28.9	30.0	30.8	31.3	32.6	32.6	32.6	32.7	32.7	32.7	33.0	33.0	33.2	33.3	33.8	33.8
GE 9000	30.0	31.1	31.8	32.4	33.7	33.7	33.7	33.8	33.8	33.8	34.1	34.1	34.2	34.4	34.9	34.9
GE 8000	32.1	33.5	34.4	35.0	36.3	36.3	36.4	36.5	36.5	36.5	37.1	37.1	37.2	37.3	37.8	37.8
GE 7000	33.4	35.0	35.9	36.5	37.8	37.8	37.9	38.1	38.1	38.1	38.6	38.6	38.7	38.8	39.4	39.4
GE 6000	33.5	35.1	36.0	36.6	37.9	37.9	38.1	38.2	38.2	38.2	38.7	38.7	38.8	38.9	39.5	39.5
GE 5000	33.6	35.2	36.1	36.8	38.1	38.1	38.2	38.3	38.3	38.3	38.8	38.8	38.9	39.0	39.6	39.6
GE 4500	33.9	35.6	36.4	37.1	38.4	38.4	38.6	38.8	38.8	38.8	39.4	39.4	39.5	39.6	40.1	40.1
GE 4000	35.6	37.5	38.4	39.1	40.5	40.6	41.1	41.3	41.3	41.3	41.9	41.9	42.0	42.1	42.6	42.6
GE 3500	38.1	40.1	41.0	41.8	43.3	43.4	43.9	44.2	44.2	44.2	44.7	44.7	44.8	44.9	45.5	45.5
GE 3000	39.4	41.4	42.4	43.2	44.7	45.0	45.6	45.8	45.8	45.8	46.3	46.3	46.5	46.6	47.1	47.1
GE 2500	41.3	43.5	44.7	45.8	47.8	48.1	48.6	48.9	48.9	48.9	49.4	49.4	49.6	49.7	50.3	50.4
GE 2000	42.9	45.0	46.2	47.5	49.7	50.1	50.6	50.8	50.8	50.8	51.4	51.4	51.6	51.7	52.2	52.3
GE 1800	44.3	46.5	47.7	49.2	51.6	52.2	52.9	53.1	53.1	53.1	53.7	53.7	53.9	54.0	54.5	54.6
GE 1500	47.4	49.8	51.5	53.7	56.6	57.3	58.6	59.5	59.8	59.8	60.5	60.5	61.1	61.2	62.1	62.4
GE 1200	53.0	55.6	57.9	61.1	64.9	65.6	67.6	68.8	69.0	69.0	70.3	70.3	71.4	71.6	72.7	73.6
GE 1000	56.8	59.8	62.6	66.2	70.3	71.1	73.4	74.7	74.9	75.0	76.7	76.7	77.9	78.1	79.2	80.0
GE 900	58.8	61.7	64.6	68.2	72.5	73.3	75.7	77.0	77.2	77.6	79.4	79.4	80.6	80.8	81.9	82.8
GE 800	60.0	63.0	65.9	69.6	75.0	76.0	78.4	79.8	80.0	80.7	82.6	82.6	83.8	84.0	85.1	85.9
GE 700	61.2	64.2	67.2	71.0	77.0	78.1	80.5	82.0	82.6	83.2	85.2	85.2	86.4	86.6	87.7	88.5
GE 600	62.6	65.9	68.8	72.6	78.7	79.8	82.6	84.2	84.7	85.6	87.6	87.6	88.9	89.2	90.9	91.8
GE 500	63.9	67.6	71.0	75.4	81.5	82.6	85.4	87.2	87.8	88.9	90.8	90.8	92.1	92.5	94.3	95.2
GE 400	64.1	68.2	71.6	76.0	82.4	83.5	86.4	88.8	89.5	90.8	92.9	92.9	94.2	94.9	96.8	97.7
GE 300	64.1	68.2	71.9	76.3	82.9	84.0	87.1	89.5	90.4	91.7	93.8	93.8	95.3	96.0	97.9	98.8
GE 200	64.1	68.2	71.9	76.3	82.9	84.0	87.1	89.5	90.4	91.8	93.9	93.9	95.7	96.5	98.9	99.8
GE 100	64.1	68.2	71.9	76.3	82.9	84.0	87.1	89.5	90.4	91.8	93.9	93.9	95.7	96.5	99.1	100.0
GE 000	64.1	68.2	71.9	76.3	82.9	84.0	87.1	89.5	90.4	91.8	93.9	93.9	95.7	96.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 917

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.6	21.9	22.4	23.3	23.9	24.0	24.1	24.1	24.2	24.3	24.3	24.3	24.5	24.5	24.6	24.6
GE 20000	22.9	23.2	23.7	24.6	25.2	25.3	25.4	25.4	25.8	25.9	25.9	25.9	26.1	26.1	26.3	26.3
GE 18000	23.2	23.5	24.1	24.9	25.5	25.6	25.7	25.7	26.1	26.3	26.3	26.3	26.5	26.5	26.6	26.6
GE 16000	23.3	23.6	24.2	25.1	25.6	25.7	25.8	25.8	26.3	26.4	26.4	26.4	26.6	26.6	26.7	26.7
GE 14000	23.3	23.6	24.3	25.2	25.8	25.9	26.0	26.0	26.5	26.6	26.6	26.6	26.8	26.8	26.9	26.9
GE 12000	24.2	24.6	25.4	26.3	26.9	27.0	27.1	27.1	27.6	27.7	27.7	27.7	27.9	27.9	28.0	28.0
GE 10000	25.7	26.1	26.9	27.9	28.7	28.8	29.0	29.0	29.4	29.6	29.8	29.8	30.0	30.0	30.1	30.1
GE 9000	27.1	27.6	28.3	29.3	30.2	30.3	30.5	30.5	31.0	31.2	31.3	31.3	31.5	31.5	31.6	31.6
GE 8000	29.2	29.6	30.5	31.5	32.6	32.7	32.9	32.9	33.4	33.6	33.7	33.7	33.9	33.9	34.0	34.0
GE 7000	31.3	31.8	32.7	33.7	34.8	34.9	35.1	35.1	35.6	35.8	35.9	35.9	36.1	36.1	36.2	36.2
GE 6000	31.5	32.1	33.0	34.0	35.1	35.3	35.6	35.6	36.0	36.2	36.3	36.3	36.5	36.5	36.7	36.7
GE 5000	31.8	32.4	33.4	34.5	35.8	36.0	36.2	36.2	36.7	36.9	37.0	37.0	37.3	37.3	37.4	37.4
GE 4500	31.9	32.5	33.5	34.6	36.0	36.2	36.5	36.5	37.0	37.2	37.5	37.5	37.9	37.9	38.0	38.0
GE 4000	34.0	34.6	36.0	37.4	39.2	39.7	40.6	40.6	41.0	41.2	41.6	41.6	41.9	41.9	42.0	42.0
GE 3500	37.0	37.5	38.9	40.5	42.2	42.8	43.7	43.7	44.1	44.3	44.6	44.6	45.0	45.0	45.1	45.1
GE 3000	38.2	38.8	40.3	41.9	43.8	44.3	45.2	45.2	45.6	45.8	46.2	46.2	46.5	46.5	46.6	46.6
GE 2500	39.2	39.9	41.8	44.1	46.3	46.8	47.9	47.9	48.6	48.8	49.1	49.1	49.5	49.5	49.6	49.9
GE 2000	41.1	42.1	44.3	46.9	49.3	50.0	51.3	51.4	52.1	52.3	52.6	52.6	53.0	53.0	53.1	53.4
GE 1800	41.9	42.9	45.3	48.0	50.7	51.4	52.7	52.8	53.5	53.7	54.0	54.0	54.4	54.4	54.5	54.8
GE 1500	44.7	45.7	48.5	51.2	54.0	54.8	56.7	57.3	58.3	58.8	59.3	59.3	59.8	60.2	60.4	60.7
GE 1200	48.5	49.7	53.3	56.7	60.4	61.4	63.6	64.9	66.2	67.0	67.8	67.8	68.6	69.0	69.6	69.9
GE 1000	53.4	54.8	59.2	62.9	67.3	68.4	70.9	72.6	74.0	74.7	75.7	75.7	76.8	77.5	78.0	78.3
GE 900	54.5	55.9	60.3	64.1	68.6	69.7	72.2	74.0	75.5	76.6	77.6	77.6	78.7	79.3	79.9	80.2
GE 800	56.5	58.0	62.9	67.1	72.2	73.5	76.4	78.1	79.6	81.0	82.1	82.1	83.2	83.8	84.4	84.7
GE 700	57.3	59.0	64.7	68.9	74.2	75.5	78.4	80.3	81.9	83.7	85.0	85.0	86.1	86.8	87.3	87.6
GE 600	57.9	59.5	65.6	70.2	75.8	77.1	80.1	81.9	83.7	85.7	87.2	87.2	88.6	89.3	90.5	90.8
GE 500	59.3	61.1	67.5	72.3	78.2	79.5	82.5	84.5	86.5	88.5	90.0	90.0	91.5	92.2	93.4	94.0
GE 400	59.8	61.9	68.5	73.3	79.6	81.0	84.0	86.7	88.7	91.0	92.7	92.7	94.3	95.1	96.4	96.9
GE 300	60.1	62.4	69.0	74.0	80.5	81.8	84.9	87.6	89.7	92.0	94.1	94.1	95.7	96.6	97.9	98.5
GE 200	60.4	62.7	69.4	74.3	80.9	82.2	85.2	88.0	90.0	92.3	94.4	94.4	96.3	97.2	98.6	99.5
GE 100	60.4	62.7	69.4	74.3	80.9	82.2	85.2	88.0	90.0	92.3	94.4	94.4	96.3	97.2	98.8	99.8
GE 000	60.4	62.7	69.4	74.3	80.9	82.2	85.2	88.0	90.0	92.3	94.4	94.4	96.3	97.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.7	21.9	23.0	23.4	24.1	24.2	24.3	24.6	24.6	24.7	25.1	25.1	25.3	25.3	25.4	25.4
GE 20000	23.4	23.7	24.9	25.3	25.9	26.1	26.2	26.4	26.4	27.0	27.3	27.3	27.6	27.6	27.8	27.8
GE 18000	24.2	24.4	25.7	26.1	26.7	26.8	27.0	27.2	27.2	27.7	28.1	28.1	28.3	28.3	28.6	28.6
GE 16000	24.2	24.4	25.7	26.1	26.7	26.8	27.0	27.2	27.2	27.7	28.1	28.1	28.3	28.3	28.6	28.6
GE 14000	24.4	24.8	26.1	26.4	27.1	27.2	27.3	27.6	27.6	28.1	28.5	28.5	28.7	28.7	29.0	29.0
GE 12000	24.9	25.3	26.6	27.0	27.6	27.7	27.8	28.1	28.1	28.6	29.0	29.0	29.2	29.2	29.5	29.5
GE 10000	25.7	26.1	27.3	27.7	28.8	29.0	29.1	29.3	29.3	29.8	30.2	30.2	30.5	30.5	30.7	30.7
GE 9000	27.6	28.0	29.3	29.8	31.1	31.2	31.4	31.6	31.6	32.1	32.5	32.5	32.7	32.7	33.0	33.0
GE 8000	30.1	30.7	32.5	33.4	34.8	34.9	35.0	35.3	35.3	35.8	36.1	36.1	36.4	36.4	36.6	36.6
GE 7000	32.2	32.9	34.6	35.5	37.0	37.3	37.7	37.9	37.9	38.4	38.8	38.8	39.0	39.0	39.3	39.3
GE 6000	32.6	33.2	35.0	35.9	37.4	37.7	38.0	38.3	38.3	38.8	39.2	39.2	39.4	39.4	39.7	39.7
GE 5000	33.2	33.9	35.8	36.6	38.2	38.4	38.8	39.0	39.0	39.5	39.9	39.9	40.2	40.2	40.4	40.4
GE 4500	33.6	34.3	36.1	37.0	38.5	38.8	39.2	39.4	39.4	39.9	40.4	40.4	40.9	40.9	41.2	41.2
GE 4000	35.5	36.1	38.0	38.9	40.4	41.1	41.4	41.7	41.7	42.2	42.7	42.7	43.2	43.2	43.5	43.5
GE 3500	37.4	38.0	39.9	41.2	42.7	43.3	43.7	44.0	44.0	44.5	45.0	45.0	45.5	45.5	45.7	45.7
GE 3000	39.3	39.9	42.6	43.8	45.6	46.2	46.6	46.9	46.9	47.4	47.9	47.9	48.4	48.4	48.6	48.6
GE 2500	41.1	41.7	44.7	46.6	48.5	49.1	49.6	50.3	50.3	50.8	51.4	51.4	51.9	51.9	52.1	52.1
GE 2000	42.4	43.3	46.3	48.2	50.3	51.0	51.9	52.8	52.8	53.3	53.9	53.9	54.4	54.4	54.7	54.7
GE 1800	42.8	43.7	46.7	48.6	50.6	51.8	52.6	53.5	53.5	54.0	54.7	54.7	55.2	55.2	55.4	55.4
GE 1500	44.8	45.8	49.1	51.0	53.4	54.9	55.9	57.6	57.9	58.6	59.9	59.9	61.1	61.3	61.6	61.6
GE 1200	48.6	50.6	55.2	57.1	60.3	62.0	63.2	65.9	67.0	67.8	69.8	69.8	70.9	71.3	71.5	71.5
GE 1000	54.3	56.8	62.0	64.4	67.9	69.9	71.8	74.4	75.6	76.3	78.7	78.7	80.0	80.4	80.6	80.6
GE 900	55.9	58.6	63.9	66.2	69.9	72.0	74.1	76.7	78.0	79.0	81.5	81.6	82.9	83.2	83.5	83.5
GE 800	57.4	60.2	65.7	68.3	73.0	75.3	78.2	80.9	82.1	83.4	86.0	86.1	87.4	87.9	88.3	88.3
GE 700	58.7	61.5	67.5	70.0	75.1	77.3	80.4	83.0	84.3	85.5	88.4	88.5	89.8	90.3	90.7	90.7
GE 600	59.2	62.0	68.6	71.2	76.7	79.0	82.0	84.6	85.9	87.3	90.3	90.4	91.7	92.2	92.9	92.9
GE 500	60.2	63.4	70.2	72.9	78.6	81.0	84.1	86.8	88.0	89.5	92.7	92.8	94.1	94.6	95.3	95.3
GE 400	61.1	64.4	71.4	74.2	79.8	82.2	85.4	88.0	89.4	91.3	94.6	94.7	96.0	96.7	97.5	97.5
GE 300	61.3	64.7	71.9	74.9	80.7	83.1	86.3	88.9	90.6	92.6	95.8	96.0	97.2	98.0	99.1	99.1
GE 200	61.5	64.9	72.0	75.1	80.9	83.2	86.4	89.0	90.7	92.7	96.0	96.1	97.5	98.2	99.4	99.7
GE 100	61.5	64.9	72.0	75.1	80.9	83.2	86.4	89.0	90.7	92.7	96.0	96.1	97.5	98.2	99.4	100.0
GE 000	61.5	64.9	72.0	75.1	80.9	83.2	86.4	89.0	90.7	92.7	96.0	96.1	97.5	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 794

D - 2 - 88

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.6	24.2	25.4	25.4	25.9	25.9	25.9	26.8	26.9	27.2	27.3	27.3	27.5	27.5	27.5	27.5
GE 20000	25.2	25.7	26.9	26.9	27.4	27.4	27.4	28.3	28.4	28.8	29.1	29.1	29.3	29.3	29.3	29.3
GE 18000	25.4	25.9	27.2	27.2	27.7	27.7	27.7	28.6	28.7	29.1	29.3	29.3	29.6	29.6	29.6	29.6
GE 16000	25.4	25.9	27.2	27.2	27.7	27.7	27.7	28.6	28.7	29.1	29.3	29.3	29.6	29.6	29.6	29.6
GE 14000	25.5	26.0	27.3	27.3	27.8	27.8	27.8	28.7	28.8	29.2	29.4	29.4	29.7	29.7	29.7	29.7
GE 12000	26.3	26.8	28.1	28.1	28.6	28.6	28.6	29.4	29.6	29.9	30.2	30.2	30.4	30.4	30.4	30.4
GE 10000	27.8	28.3	29.7	29.7	30.6	30.6	30.6	31.4	31.6	31.9	32.2	32.2	32.5	32.5	32.5	32.5
GE 9000	30.4	30.9	32.3	32.3	33.3	33.3	33.3	34.2	34.3	34.7	35.0	35.0	35.2	35.2	35.2	35.2
GE 8000	32.3	32.8	34.3	34.6	35.7	35.7	35.7	36.6	36.7	37.1	37.4	37.4	37.6	37.6	37.6	37.6
GE 7000	33.0	33.6	35.5	35.7	37.0	37.4	37.4	38.2	38.4	39.1	39.4	39.4	39.6	39.6	39.6	39.6
GE 6000	33.1	33.7	35.6	35.8	37.1	37.5	37.5	38.4	38.6	39.4	39.6	39.6	39.9	39.9	39.9	39.9
GE 5000	33.8	34.5	36.5	36.7	38.1	38.5	38.5	39.4	39.6	40.4	40.6	40.6	40.9	40.9	40.9	40.9
GE 4500	34.3	35.1	37.2	37.6	39.1	39.5	39.5	40.5	40.8	41.5	41.8	41.8	42.0	42.0	42.0	42.0
GE 4000	36.4	37.1	39.2	39.6	41.1	41.5	41.5	42.5	42.8	43.5	43.8	43.8	44.2	44.2	44.2	44.2
GE 3500	37.9	38.6	40.8	41.3	42.8	43.4	43.5	44.7	44.9	45.7	45.9	45.9	46.3	46.3	46.3	46.3
GE 3000	38.6	39.4	41.9	42.4	44.4	45.0	45.2	46.3	46.5	47.4	47.7	47.7	48.1	48.1	48.1	48.1
GE 2500	39.4	40.1	43.0	43.8	46.2	46.8	46.9	48.2	48.7	49.6	49.8	49.8	50.4	50.4	50.4	50.4
GE 2000	41.3	42.0	45.2	46.2	48.8	49.4	49.7	51.1	51.6	52.5	52.7	52.7	53.3	53.3	53.3	53.3
GE 1800	42.0	42.8	45.9	46.9	49.6	50.7	50.9	52.6	53.1	54.1	54.3	54.3	55.0	55.0	55.0	55.0
GE 1500	44.2	45.0	48.2	49.2	51.9	53.6	54.2	57.4	58.1	59.1	60.0	60.0	61.8	61.8	62.0	62.0
GE 1200	50.3	51.4	55.3	56.7	60.0	62.1	63.0	66.4	67.9	69.4	70.6	70.6	72.5	72.6	73.2	73.2
GE 1000	53.8	55.2	60.0	62.1	66.0	68.2	69.1	72.7	74.2	75.7	77.1	77.1	79.1	79.5	80.3	80.3
GE 900	57.1	58.5	63.4	65.5	69.7	71.8	73.0	76.6	78.1	80.0	81.5	81.5	83.5	83.9	84.7	84.7
GE 800	60.4	61.9	67.0	70.3	75.0	77.4	79.0	82.8	84.3	86.2	87.7	87.7	89.7	90.1	90.8	90.8
GE 700	61.0	62.6	68.1	71.3	76.2	78.9	80.6	84.4	85.9	87.9	89.4	89.4	91.6	91.9	92.7	92.7
GE 600	61.8	63.4	68.8	72.2	77.7	80.4	82.1	85.9	87.4	89.4	91.3	91.3	93.5	93.8	94.6	94.6
GE 500	62.1	64.2	69.7	73.1	79.1	81.8	83.8	87.7	89.2	91.2	93.2	93.2	95.3	95.7	96.9	96.9
GE 400	62.5	64.7	70.2	73.6	79.6	82.3	84.3	88.3	90.1	92.2	94.2	94.2	96.4	96.7	97.9	97.9
GE 300	62.5	64.7	70.6	74.1	80.3	83.1	85.3	89.3	91.1	93.2	95.2	95.2	97.4	97.7	99.2	99.2
GE 200	62.5	64.7	70.6	74.1	80.3	83.1	85.3	89.3	91.1	93.2	95.2	95.2	97.5	97.9	99.4	99.5
GE 100	62.5	64.7	70.6	74.1	80.3	83.1	85.3	89.3	91.2	93.3	95.3	95.3	97.6	98.0	99.7	100.0
GE 000	62.5	64.7	70.6	74.1	80.3	83.1	85.3	89.3	91.2	93.3	95.3	95.3	97.6	98.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.0	22.5	23.2	23.6	24.4	24.5	24.6	24.8	24.9	25.0	25.2	25.2	25.4	25.5	25.6	25.7
GE 20000	23.2	23.7	24.5	24.9	25.8	25.8	26.0	26.2	26.4	26.5	26.7	26.7	27.0	27.0	27.2	27.3
GE 18000	23.5	24.1	24.9	25.3	26.1	26.2	26.4	26.6	26.7	26.9	27.1	27.1	27.3	27.3	27.5	27.7
GE 16000	23.6	24.1	24.9	25.3	26.2	26.2	26.4	26.6	26.8	26.9	27.1	27.1	27.3	27.4	27.6	27.7
GE 14000	23.6	24.2	25.0	25.4	26.3	26.4	26.5	26.7	26.9	27.0	27.2	27.2	27.5	27.5	27.7	27.9
GE 12000	24.4	24.9	25.8	26.2	27.1	27.1	27.3	27.5	27.6	27.8	28.0	28.0	28.2	28.3	28.5	28.6
GE 10000	25.7	26.3	27.1	27.6	28.6	28.7	28.9	29.1	29.2	29.4	29.6	29.6	29.9	29.9	30.1	30.2
GE 9000	27.2	27.8	28.7	29.2	30.3	30.3	30.5	30.7	30.9	31.1	31.3	31.3	31.5	31.5	31.7	31.9
GE 8000	29.1	29.8	30.8	31.4	32.6	32.7	33.0	33.3	33.4	33.6	33.9	33.9	34.2	34.2	34.4	34.6
GE 7000	30.7	31.6	32.7	33.3	34.5	34.8	35.0	35.3	35.5	35.7	36.1	36.1	36.3	36.4	36.6	36.7
GE 6000	31.2	32.1	33.2	33.9	35.1	35.4	35.6	35.9	36.1	36.3	36.7	36.7	37.0	37.0	37.2	37.4
GE 5000	31.7	32.6	33.9	34.5	35.8	36.1	36.3	36.6	36.8	37.0	37.4	37.4	37.7	37.7	37.9	38.1
GE 4500	32.1	33.0	34.3	35.1	36.5	36.8	37.1	37.4	37.6	37.9	38.3	38.3	38.6	38.6	38.9	39.0
GE 4000	34.0	35.0	36.5	37.3	38.8	39.2	39.6	39.9	40.1	40.4	40.8	40.8	41.1	41.1	41.4	41.5
GE 3500	35.5	36.5	37.9	38.8	40.3	40.9	41.3	41.6	41.9	42.2	42.6	42.6	42.9	42.9	43.1	43.3
GE 3000	36.4	37.4	39.3	40.3	42.0	42.5	43.0	43.3	43.6	44.0	44.4	44.4	44.7	44.7	44.9	45.1
GE 2500	37.6	38.7	40.8	42.1	44.2	44.8	45.5	45.9	46.3	46.7	47.2	47.2	47.5	47.6	47.8	48.0
GE 2000	39.6	40.8	43.1	44.6	46.9	47.5	48.4	48.9	49.4	49.8	50.3	50.3	50.7	50.7	51.0	51.2
GE 1800	40.7	42.0	44.4	45.9	48.3	49.2	50.2	50.8	51.3	51.7	52.2	52.3	52.6	52.7	52.9	53.1
GE 1500	43.3	44.7	47.5	49.3	52.2	53.4	54.7	56.0	56.7	57.4	58.5	58.5	59.3	59.4	59.8	60.1
GE 1200	49.4	51.3	55.0	57.4	61.1	62.6	64.3	66.2	67.2	68.2	69.7	69.7	70.9	71.0	71.5	72.0
GE 1000	53.7	55.9	60.2	63.2	67.5	69.0	71.1	73.1	74.1	75.2	77.0	77.0	78.4	78.6	79.2	79.8
GE 900	55.7	58.0	62.3	65.4	69.9	71.5	73.6	75.7	76.8	78.3	80.1	80.1	81.5	81.7	82.3	83.0
GE 800	57.7	60.1	64.6	68.0	73.2	74.9	77.4	79.6	80.9	82.5	84.4	84.4	85.9	86.1	86.7	87.3
GE 700	58.8	61.3	66.1	69.6	75.1	76.9	79.5	81.8	83.1	84.8	86.8	86.8	88.3	88.5	89.1	89.7
GE 600	59.7	62.2	67.3	70.9	76.9	78.7	81.5	83.8	85.1	87.0	89.1	89.1	90.7	91.0	91.9	92.5
GE 500	60.6	63.3	68.6	72.5	78.7	80.6	83.4	86.0	87.4	89.3	91.5	91.5	93.1	93.4	94.4	95.0
GE 400	61.1	64.0	69.4	73.3	79.9	81.8	84.9	87.7	89.2	91.3	93.7	93.7	95.4	95.8	96.9	97.6
GE 300	61.2	64.1	69.7	73.6	80.3	82.3	85.4	88.4	89.9	92.1	94.5	94.5	96.3	96.7	98.2	98.9
GE 200	61.3	64.2	69.7	73.7	80.4	82.4	85.6	88.5	90.0	92.2	94.8	94.8	96.7	97.2	98.8	99.7
GE 100	61.3	64.2	69.7	73.7	80.4	82.4	85.6	88.5	90.1	92.3	94.8	94.9	96.8	97.3	99.0	100.0
GE 000	61.3	64.2	69.7	73.7	80.4	82.4	85.6	88.5	90.1	92.3	94.8	94.9	96.8	97.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7075

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.2	43.6	44.7	45.8	47.6	47.7	48.7	49.0	49.3	49.5	49.8	49.8	49.9	49.9	50.0	50.0
GE 20000	43.7	44.1	45.1	46.3	48.1	48.2	49.2	49.5	49.8	50.0	50.2	50.2	50.4	50.4	50.5	50.5
GE 18000	45.0	45.4	46.4	47.6	49.5	49.6	50.6	51.0	51.2	51.4	51.7	51.7	51.8	51.8	51.9	51.9
GE 16000	45.0	45.4	46.6	47.7	49.6	49.8	50.7	51.1	51.3	51.5	51.8	51.8	51.9	51.9	52.0	52.0
GE 14000	45.5	45.8	47.0	48.2	50.1	50.2	51.2	51.5	51.8	52.0	52.3	52.3	52.4	52.4	52.5	52.5
GE 12000	46.2	46.6	47.7	48.9	50.8	51.0	51.9	52.3	52.5	52.7	53.0	53.0	53.1	53.1	53.2	53.2
GE 10000	47.3	47.9	49.2	50.4	52.3	52.4	53.3	53.7	53.9	54.2	54.4	54.4	54.5	54.5	54.6	54.6
GE 9000	49.6	50.2	51.5	52.9	55.1	55.2	56.2	56.5	56.8	57.0	57.2	57.2	57.4	57.4	57.5	57.5
GE 8000	51.1	51.9	53.3	54.6	57.1	57.2	58.3	58.8	59.0	59.3	59.5	59.5	59.6	59.6	59.7	59.7
GE 7000	51.8	52.6	54.0	55.3	57.8	58.0	59.3	59.9	60.1	60.3	60.9	60.9	61.0	61.0	61.2	61.2
GE 6000	52.4	53.3	54.8	56.1	58.6	58.7	60.0	60.6	60.8	61.0	61.6	61.6	61.8	61.8	61.9	61.9
GE 5000	53.2	54.3	55.9	57.5	60.2	60.3	61.6	62.2	62.5	62.7	63.3	63.3	63.4	63.4	63.5	63.5
GE 4500	53.9	55.2	56.9	58.4	61.2	61.3	62.6	63.2	63.4	63.7	64.3	64.3	64.4	64.4	64.5	64.5
GE 4000	55.1	56.4	58.1	59.6	63.1	63.2	64.5	65.1	65.4	65.8	66.4	66.4	66.5	66.5	66.6	66.6
GE 3500	56.2	57.7	59.4	60.9	64.5	65.0	66.3	66.9	67.2	67.6	68.2	68.2	68.3	68.3	68.4	68.4
GE 3000	57.0	58.6	60.3	61.9	65.4	65.9	67.2	67.8	68.4	68.9	69.5	69.5	69.6	69.6	69.7	69.7
GE 2500	58.0	59.5	61.6	63.3	67.0	67.5	68.8	69.4	70.0	70.7	71.3	71.3	71.4	71.4	71.5	71.5
GE 2000	58.8	60.3	62.5	64.1	67.8	68.3	69.7	70.3	70.9	71.6	72.2	72.2	72.3	72.4	72.8	72.8
GE 1800	58.8	60.3	62.6	64.3	67.9	68.4	69.8	70.4	71.0	71.7	72.3	72.3	72.4	72.6	72.9	72.9
GE 1500	60.8	62.7	65.4	67.2	70.9	71.4	73.0	74.0	74.6	75.3	76.4	76.4	76.5	76.6	77.0	77.0
GE 1200	64.5	66.5	70.0	71.9	75.9	76.4	79.3	81.0	81.7	83.0	84.4	84.4	84.9	85.0	85.4	85.4
GE 1000	67.7	69.8	74.1	76.0	80.5	81.1	84.3	86.6	87.3	88.6	90.0	90.0	90.5	90.6	91.0	91.0
GE 900	68.9	71.1	75.4	77.4	82.1	82.7	86.0	88.6	89.3	90.6	92.0	92.0	92.5	92.6	93.1	93.1
GE 800	70.1	72.4	76.7	78.7	83.4	84.0	87.3	89.9	90.6	91.9	93.3	93.6	94.1	94.2	94.7	94.9
GE 700	70.8	73.3	77.7	79.7	84.3	84.9	88.2	91.0	91.7	93.0	94.5	94.8	95.2	95.4	95.8	96.2
GE 600	70.9	73.4	77.9	79.9	84.6	85.2	88.5	91.2	91.9	93.2	94.8	95.0	95.5	95.6	96.1	96.6
GE 500	71.4	74.1	78.6	80.8	85.4	86.0	89.3	92.0	92.8	94.1	95.8	96.1	96.7	96.8	97.3	98.1
GE 400	71.5	74.2	78.7	80.9	85.6	86.2	89.5	92.3	93.0	94.3	96.2	96.4	97.0	97.1	97.7	98.6
GE 300	71.9	74.6	79.1	81.2	86.0	86.7	90.0	92.8	93.5	94.8	96.8	97.0	97.6	97.7	98.3	99.4
GE 200	72.1	74.8	79.3	81.5	86.2	86.9	90.3	93.1	93.8	95.1	97.1	97.4	98.0	98.1	98.7	99.8
GE 100	72.1	74.8	79.3	81.5	86.2	86.9	90.3	93.1	93.8	95.1	97.1	97.4	98.0	98.1	98.9	100.0
GE 000	72.1	74.8	79.3	81.5	86.2	86.9	90.3	93.1	93.8	95.1	97.1	97.4	98.0	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 842



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECCRD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.5	44.4	45.2	46.6	47.7	47.9	48.8	49.4	50.1	50.9	51.0	51.0	51.0	51.0	51.0	51.0
GE 20000	45.3	46.3	47.2	48.8	49.9	50.1	51.0	51.6	52.3	53.1	53.3	53.3	53.3	53.3	53.3	53.3
GE 18000	45.7	46.6	47.6	49.2	50.2	50.5	51.4	52.0	52.7	53.5	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	45.7	46.6	47.6	49.2	50.6	50.8	51.7	52.3	53.0	53.8	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	46.2	47.1	48.0	49.7	51.0	51.3	52.2	52.8	53.5	54.3	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	47.0	47.9	48.8	50.6	52.0	52.2	53.1	53.7	54.4	55.2	55.5	55.5	55.5	55.5	55.5	55.5
GE 10000	48.1	49.1	50.0	51.7	53.3	53.5	54.5	55.1	55.8	56.6	56.9	56.9	57.0	57.0	57.0	57.0
GE 9000	50.5	51.4	52.3	54.2	55.7	55.9	57.0	57.6	58.3	59.1	59.3	59.3	59.4	59.4	59.4	59.4
GE 8000	51.3	52.3	53.6	55.5	57.3	57.6	58.6	59.2	60.0	60.9	61.2	61.2	61.3	61.3	61.3	61.3
GE 7000	52.3	53.4	54.7	56.5	58.4	58.6	59.7	60.2	61.0	62.0	62.3	62.3	62.4	62.4	62.4	62.4
GE 6000	52.3	53.4	54.7	56.5	58.4	58.6	59.7	60.2	61.0	62.0	62.3	62.3	62.4	62.4	62.4	62.4
GE 5000	53.1	54.2	55.6	57.6	59.9	60.1	61.2	61.7	62.6	63.5	63.8	63.8	64.0	64.0	64.0	64.0
GE 4500	53.5	54.5	55.9	57.9	60.2	60.5	61.5	62.1	62.9	63.8	64.2	64.2	64.3	64.3	64.3	64.3
GE 4000	54.2	55.2	56.6	58.7	61.5	61.7	63.0	63.6	64.4	65.3	65.7	65.7	65.8	65.8	65.8	65.8
GE 3500	54.9	55.9	57.3	59.5	62.3	62.6	64.0	64.7	65.5	66.4	66.7	66.7	66.9	66.9	66.9	66.9
GE 3000	55.8	56.9	58.4	60.6	63.4	63.6	65.0	65.7	66.5	67.4	67.8	67.8	67.9	67.9	67.9	67.9
GE 2500	56.9	58.0	59.9	62.1	64.9	65.1	66.5	67.2	68.0	69.0	69.3	69.3	69.4	69.4	69.4	69.4
GE 2000	57.7	58.8	61.2	63.4	66.2	66.4	67.9	68.6	69.4	70.3	70.7	70.7	70.8	70.8	70.8	70.8
GE 1800	57.8	59.0	61.5	63.7	66.5	66.7	68.3	69.0	69.8	70.7	71.0	71.0	71.2	71.2	71.2	71.2
GE 1500	59.7	61.0	63.8	66.2	69.3	69.5	71.4	72.1	72.9	74.0	74.4	74.4	74.7	74.7	74.9	74.9
GE 1200	64.0	66.3	70.0	72.3	75.9	76.4	79.5	82.0	83.0	84.9	85.6	85.6	86.2	86.2	86.4	86.4
GE 1000	67.2	69.8	73.7	76.0	79.8	80.2	83.5	86.0	87.1	89.0	89.7	89.7	90.3	90.3	90.6	90.6
GE 900	68.1	70.7	74.7	77.0	81.0	81.5	84.8	87.6	88.6	90.5	91.2	91.2	91.9	91.9	92.1	92.1
GE 800	69.7	72.2	76.2	78.6	83.0	83.5	86.9	89.8	90.8	92.7	93.6	93.6	94.3	94.3	94.9	94.9
GE 700	70.2	72.8	76.7	79.2	83.6	84.1	87.4	90.5	91.5	93.4	94.3	94.3	95.0	95.0	95.6	95.6
GE 600	70.2	72.8	76.7	79.2	83.7	84.2	87.7	90.9	92.0	93.8	94.8	94.8	95.5	95.5	96.0	96.4
GE 500	70.6	73.1	77.1	79.5	84.1	84.5	88.0	91.3	92.3	94.2	95.2	95.2	95.9	95.9	96.6	97.2
GE 400	70.7	73.3	77.3	79.8	84.3	84.8	88.4	91.6	93.0	94.9	95.9	95.9	96.9	96.9	97.7	98.3
GE 300	71.0	73.6	77.7	80.1	84.7	85.1	88.7	92.0	93.4	95.3	96.5	96.5	97.7	97.9	98.7	99.3
GE 200	71.0	73.6	77.7	80.1	84.7	85.1	88.7	92.2	93.6	95.6	96.7	96.7	97.9	98.3	99.2	99.8
GE 100	71.0	73.6	77.7	80.1	84.7	85.1	88.7	92.2	93.6	95.6	96.7	96.7	97.9	98.3	99.4	100.0
GE 000	71.0	73.6	77.7	80.1	84.7	85.1	88.7	92.2	93.6	95.6	96.7	96.7	97.9	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 860

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	43.9	45.3	46.2	47.8	48.3	48.7	49.2	49.8	50.6	50.8	50.8	51.1	51.1	51.2	51.3
GE 20000	44.5	45.5	46.9	48.0	49.7	50.2	50.5	51.1	51.7	52.5	52.6	52.6	53.0	53.0	53.1	53.2
GE 18000	44.8	46.0	47.4	48.4	50.3	50.8	51.1	51.8	52.4	53.2	53.3	53.3	53.7	53.7	53.8	53.9
GE 16000	44.8	46.0	47.4	48.4	50.3	50.8	51.5	52.2	52.7	53.6	53.7	53.7	54.0	54.0	54.1	54.2
GE 14000	45.6	46.8	48.2	49.2	51.1	51.6	52.3	53.0	53.6	54.4	54.5	54.5	54.8	54.8	54.9	55.1
GE 12000	46.7	47.8	49.2	50.3	52.2	52.6	53.3	54.0	54.6	55.4	55.5	55.5	55.9	55.9	56.0	56.1
GE 10000	48.9	50.2	51.7	52.7	54.6	55.1	55.9	56.6	57.2	58.1	58.2	58.2	58.6	58.6	58.7	58.8
GE 9000	50.5	51.8	53.4	54.6	56.5	56.9	57.9	58.6	59.1	60.1	60.2	60.2	60.5	60.5	60.7	60.8
GE 8000	50.9	52.4	54.0	55.2	57.4	57.9	58.9	59.6	60.5	61.5	61.6	61.6	61.9	61.9	62.0	62.2
GE 7000	51.8	53.3	55.1	56.2	58.7	59.1	60.2	60.9	61.8	62.7	62.9	62.9	63.2	63.2	63.3	63.4
GE 6000	51.8	53.3	55.1	56.2	58.9	59.4	60.4	61.1	62.0	63.0	63.1	63.1	63.4	63.4	63.6	63.7
GE 5000	52.3	53.8	55.9	57.0	59.8	60.3	61.4	62.0	63.0	63.9	64.0	64.0	64.4	64.4	64.5	64.6
GE 4500	53.3	54.8	56.9	58.2	61.1	61.6	62.6	63.3	64.3	65.2	65.3	65.3	65.7	65.7	65.8	65.9
GE 4000	54.7	56.2	58.4	59.7	62.6	63.1	64.5	65.2	66.1	67.1	67.2	67.2	67.6	67.6	67.8	67.9
GE 3500	55.4	56.9	59.5	60.9	63.9	64.5	65.9	66.7	67.6	68.6	68.7	68.7	69.2	69.2	69.3	69.4
GE 3000	56.0	57.5	60.4	61.8	65.0	65.8	67.2	68.0	68.9	69.8	70.1	70.1	70.5	70.5	70.7	70.8
GE 2500	56.9	58.7	61.9	63.3	66.5	67.3	68.7	69.5	70.4	71.4	71.6	71.6	72.1	72.1	72.2	72.3
GE 2000	57.9	59.8	63.3	64.7	67.9	68.7	70.1	70.9	71.8	73.0	73.2	73.2	73.7	73.7	73.8	73.9
GE 1800	58.0	60.0	63.4	65.0	68.1	68.9	70.3	71.1	72.1	73.2	73.5	73.5	73.9	73.9	74.0	74.2
GE 1500	60.4	62.4	66.1	67.9	71.2	72.1	73.5	74.5	75.7	77.1	77.4	77.4	78.0	78.0	78.2	78.3
GE 1200	64.6	67.5	71.5	73.7	77.8	78.9	81.0	82.7	84.1	86.0	86.6	86.6	87.2	87.2	87.4	87.5
GE 1000	67.5	70.4	74.6	76.9	81.0	82.3	84.4	86.7	88.1	90.1	90.7	90.7	91.3	91.3	91.5	91.6
GE 900	68.3	71.2	75.4	77.8	81.8	83.2	85.7	88.7	90.1	92.1	92.7	92.7	93.2	93.2	93.5	93.6
GE 800	69.3	72.2	76.4	78.7	83.2	84.7	87.3	90.5	91.9	93.9	94.8	94.8	95.3	95.3	95.9	96.0
GE 700	69.6	72.5	76.7	79.0	83.6	85.1	87.7	90.8	92.2	94.3	95.1	95.1	95.7	95.7	96.3	96.4
GE 600	70.2	73.1	77.3	79.7	84.4	85.9	88.5	91.6	93.0	95.1	95.9	95.9	96.5	96.5	97.1	97.3
GE 500	70.5	73.5	77.6	80.1	84.7	86.3	88.8	92.0	93.4	95.5	96.3	96.3	96.9	96.9	97.4	98.0
GE 400	70.9	73.8	78.0	80.4	85.2	86.7	89.3	92.5	93.9	96.2	97.1	97.1	97.7	97.7	98.3	98.8
GE 300	71.4	74.3	78.5	80.9	85.7	87.2	89.8	93.0	94.4	96.7	97.7	97.7	98.7	98.8	99.4	100.0
GE 200	71.4	74.3	78.5	80.9	85.7	87.2	89.8	93.0	94.4	96.7	97.7	97.7	98.7	98.8	99.4	100.0
GE 100	71.4	74.3	78.5	80.9	85.7	87.2	89.8	93.0	94.4	96.7	97.7	97.7	98.7	98.8	99.4	100.0
GE 000	71.4	74.3	78.5	80.9	85.7	87.2	89.8	93.0	94.4	96.7	97.7	97.7	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 859

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.6	43.0	43.8	44.1	45.5	45.6	46.2	46.5	46.8	47.0	47.0	47.0	47.1	47.1	47.8	47.9
GE 20000	44.1	44.5	45.3	45.6	47.0	47.1	47.8	48.1	48.5	48.8	48.8	48.8	48.9	48.9	49.6	49.7
GE 18000	44.9	45.3	46.2	46.5	47.9	48.0	48.7	49.0	49.4	49.7	49.8	49.8	49.9	49.9	50.6	50.7
GE 16000	45.2	45.5	46.4	46.8	48.1	48.2	49.3	49.6	49.9	50.3	50.4	50.4	50.5	50.5	51.2	51.3
GE 14000	45.5	45.8	46.8	47.1	48.5	48.6	49.6	50.1	50.4	50.7	50.9	50.9	51.0	51.0	51.7	51.8
GE 12000	46.3	46.6	48.1	48.5	49.8	49.9	51.0	51.4	51.8	52.1	52.2	52.2	52.3	52.3	53.0	53.1
GE 10000	48.0	48.5	50.2	50.5	51.9	52.0	53.0	53.5	53.9	54.3	54.4	54.4	54.5	54.5	55.2	55.3
GE 9000	49.6	50.2	52.1	52.6	53.9	54.0	55.2	55.6	56.1	56.4	56.8	56.8	56.9	56.9	57.6	57.7
GE 8000	50.9	51.9	53.8	54.3	55.6	55.8	56.9	57.4	58.3	58.7	59.1	59.1	59.2	59.2	59.9	60.0
GE 7000	52.9	54.0	56.0	56.4	57.8	58.0	59.3	59.7	60.7	61.1	61.5	61.5	61.6	61.6	62.3	62.4
GE 6000	53.2	54.4	56.3	56.9	58.5	58.7	60.1	60.5	61.5	61.9	62.3	62.3	62.4	62.4	63.1	63.2
GE 5000	53.8	55.0	57.1	57.7	59.4	59.6	61.2	61.7	62.6	63.1	63.4	63.4	63.5	63.5	64.2	64.3
GE 4500	54.7	55.9	58.0	58.6	60.3	60.5	62.1	62.6	63.5	64.0	64.3	64.3	64.4	64.4	65.1	65.2
GE 4000	55.6	56.8	59.0	59.5	61.3	61.6	63.2	63.6	64.7	65.1	65.5	65.5	65.6	65.6	66.2	66.4
GE 3500	56.4	57.6	60.1	60.8	62.7	62.9	64.5	65.0	66.1	66.6	66.9	66.9	67.0	67.0	67.7	67.8
GE 3000	57.5	58.7	61.5	62.4	64.3	64.5	66.1	66.6	67.7	68.2	68.5	68.5	68.6	68.6	69.3	69.4
GE 2500	58.3	59.6	62.7	63.7	65.7	65.9	67.5	68.0	69.3	69.8	70.1	70.1	70.2	70.2	70.9	71.0
GE 2000	59.2	60.7	63.7	64.8	66.7	66.9	68.5	69.0	70.4	70.9	71.6	71.6	71.7	71.7	72.4	72.5
GE 1800	59.4	60.9	64.1	65.2	67.2	67.4	69.0	69.4	70.8	71.4	72.1	72.1	72.2	72.2	72.9	73.0
GE 1500	62.5	64.2	67.5	69.0	71.2	71.4	73.1	74.0	75.5	76.9	77.5	77.5	77.8	77.8	78.4	78.6
GE 1200	66.4	68.4	72.1	74.0	77.1	77.4	79.2	80.5	82.0	83.6	84.4	84.4	84.7	84.7	85.6	85.7
GE 1000	68.9	70.9	74.9	77.0	80.6	81.0	82.9	84.5	86.1	87.9	88.8	88.8	89.4	89.4	90.5	90.8
GE 900	69.8	71.8	75.8	77.9	81.9	82.2	84.5	86.1	87.7	89.5	90.4	90.4	91.0	91.0	92.1	92.4
GE 800	70.2	72.5	76.6	78.7	82.8	83.1	85.6	87.2	88.8	90.6	91.7	91.7	92.2	92.2	93.7	94.0
GE 700	70.7	73.0	77.1	79.2	83.4	83.8	86.4	88.1	89.7	91.9	93.0	93.0	93.6	93.6	95.1	95.3
GE 600	71.6	73.9	78.2	80.4	84.5	84.9	87.6	89.3	90.9	93.2	94.5	94.5	95.2	95.2	96.8	97.0
GE 500	71.8	74.2	78.6	80.7	85.1	85.5	88.3	90.0	91.6	94.0	95.3	95.3	96.1	96.1	97.7	98.2
GE 400	71.9	74.3	78.9	81.1	85.6	86.2	89.1	90.8	92.4	94.8	96.1	96.1	96.9	96.9	98.5	99.0
GE 300	71.9	74.3	78.9	81.1	85.6	86.2	89.2	90.9	92.5	94.9	96.6	96.6	97.6	97.6	99.3	99.8
GE 200	71.9	74.3	78.9	81.1	85.6	86.2	89.2	90.9	92.5	94.9	96.6	96.6	97.6	97.6	99.4	99.9
GE 100	71.9	74.3	78.9	81.1	85.6	86.2	89.2	90.9	92.5	94.9	96.6	96.6	97.6	97.6	99.5	100.0
GE 000	71.9	74.3	78.9	81.1	85.6	86.2	89.2	90.9	92.5	94.9	96.6	96.6	97.6	97.6	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.1	42.2	43.0	44.5	46.0	46.3	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.4	48.1	48.3
GE 20000	44.4	44.5	45.3	46.8	48.4	48.8	49.2	49.6	49.6	49.6	49.8	49.8	49.8	49.8	50.5	50.8
GE 18000	46.7	46.8	47.6	49.1	50.8	51.1	51.6	51.9	51.9	51.9	52.4	52.4	52.4	52.4	53.1	53.3
GE 16000	47.2	47.3	48.1	49.6	51.2	51.6	52.3	52.6	52.6	52.6	53.1	53.1	53.1	53.1	53.8	54.0
GE 14000	47.2	47.4	48.2	49.7	51.3	51.7	52.4	52.7	52.7	52.7	53.2	53.2	53.2	53.2	53.9	54.1
GE 12000	47.3	47.5	48.3	49.8	51.4	51.8	52.5	52.8	52.8	52.8	53.3	53.3	53.3	53.3	54.0	54.2
GE 10000	49.0	49.4	50.3	51.8	53.4	53.8	54.5	54.8	54.8	54.8	55.4	55.4	55.4	55.4	56.1	56.3
GE 9000	50.1	50.4	51.3	53.0	54.6	54.9	55.6	56.3	56.3	56.3	57.4	57.4	57.4	57.4	58.1	58.5
GE 8000	52.0	52.4	53.5	55.2	56.9	57.2	58.2	58.9	58.9	58.9	59.9	59.9	59.9	59.9	60.6	61.1
GE 7000	53.5	53.9	55.0	56.8	58.6	59.2	60.1	60.8	60.8	60.8	61.9	61.9	61.9	61.9	62.6	63.0
GE 6000	53.7	54.0	55.2	56.9	58.7	59.3	60.4	61.1	61.1	61.1	62.1	62.1	62.1	62.1	62.8	63.3
GE 5000	55.0	55.4	56.5	58.3	60.3	60.8	62.0	62.7	62.7	63.2	64.2	64.2	64.3	64.3	65.0	65.5
GE 4500	55.6	56.0	57.1	59.0	61.0	61.5	62.8	63.5	63.5	64.0	65.0	65.0	65.1	65.1	65.8	66.3
GE 4000	57.1	57.7	59.1	61.1	63.3	63.8	65.2	65.9	65.9	66.4	67.4	67.4	67.6	67.6	68.3	68.7
GE 3500	57.6	58.2	59.6	61.6	63.8	64.4	65.9	66.6	66.6	67.1	68.1	68.1	68.3	68.3	68.9	69.4
GE 3000	58.5	59.2	60.6	62.7	64.9	65.5	67.0	67.7	67.7	68.5	69.5	69.5	69.6	69.6	70.3	70.8
GE 2500	58.9	59.6	61.0	63.0	65.6	66.3	68.0	68.7	68.7	69.5	70.7	70.7	70.9	70.9	71.6	72.1
GE 2000	59.9	60.7	62.1	64.2	66.7	67.4	69.2	70.2	70.2	71.0	72.2	72.2	72.4	72.4	73.1	73.6
GE 1800	60.5	61.3	62.7	64.8	67.3	68.0	69.8	70.8	70.8	71.6	72.8	72.8	73.0	73.0	73.7	74.2
GE 1500	63.7	65.2	66.6	68.9	71.7	72.4	74.2	75.4	75.6	76.6	77.9	77.9	78.1	78.1	79.3	79.7
GE 1200	66.6	68.4	70.0	72.4	75.6	76.4	78.4	80.2	80.4	81.5	82.7	82.7	83.0	83.0	84.1	84.6
GE 1000	69.1	70.8	72.8	75.3	78.8	79.7	81.8	83.9	84.6	86.0	87.3	87.3	87.9	88.2	89.6	90.2
GE 900	69.8	71.5	73.8	76.4	79.8	80.8	83.0	85.2	86.0	87.5	88.8	88.8	89.5	89.7	91.1	91.7
GE 800	70.8	72.5	75.0	77.5	81.2	82.4	84.7	87.1	87.9	89.6	91.1	91.1	91.9	92.1	93.6	94.2
GE 700	71.0	72.8	75.2	77.8	81.5	82.6	84.9	87.4	88.5	90.2	91.7	91.8	92.6	92.8	94.3	94.9
GE 600	72.0	73.8	76.2	78.8	82.5	83.7	86.0	88.4	89.7	91.5	93.2	93.3	94.3	94.6	96.2	96.9
GE 500	72.7	74.6	77.1	79.6	83.3	84.5	86.8	89.2	90.5	92.4	94.0	94.1	95.2	95.5	97.2	98.0
GE 400	72.7	74.9	77.4	80.0	83.7	84.8	87.3	89.9	91.2	93.0	94.7	94.8	95.9	96.2	97.9	98.7
GE 300	72.7	74.9	77.4	80.0	83.7	84.8	87.3	89.9	91.2	93.0	94.7	94.8	96.2	96.4	98.5	99.4
GE 200	72.7	74.9	77.4	80.1	83.8	84.9	87.4	90.0	91.3	93.2	94.8	94.9	96.3	96.5	98.6	99.5
GE 100	72.7	74.9	77.4	80.1	83.8	84.9	87.4	90.0	91.3	93.2	94.8	94.9	96.3	96.5	98.6	100.0
GE 000	72.7	74.9	77.4	80.1	83.8	84.9	87.4	90.0	91.3	93.2	94.8	94.9	96.3	96.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 863

D - 2 - 95

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.0	40.4	41.5	41.7	43.6	43.6	43.6	44.1	44.5	44.8	45.0	45.0	45.0	45.0	45.6	45.6
GE 20000	40.8	41.3	42.4	42.6	44.9	44.9	44.9	45.5	45.8	46.2	46.5	46.5	46.5	46.5	47.1	47.1
GE 18000	42.9	43.3	44.5	44.7	47.0	47.0	47.3	47.9	48.2	48.6	49.3	49.3	49.3	49.3	49.8	49.8
GE 16000	44.0	44.5	45.7	46.0	48.2	48.2	48.6	49.1	49.5	49.8	50.5	50.5	50.5	50.5	51.1	51.1
GE 14000	44.4	44.8	46.1	46.3	48.6	48.6	48.9	49.5	49.8	50.2	50.9	50.9	50.9	50.9	51.4	51.4
GE 12000	44.6	45.0	46.3	46.5	48.8	48.8	49.1	49.7	50.1	50.4	51.1	51.1	51.1	51.1	51.7	51.7
GE 10000	45.8	46.3	47.5	47.9	50.4	50.4	50.9	51.4	51.8	52.1	52.8	52.8	52.8	52.8	53.4	53.4
GE 9000	47.7	48.1	49.4	49.7	52.2	52.2	52.7	53.7	54.0	54.4	55.1	55.1	55.2	55.2	55.8	56.1
GE 8000	50.4	50.9	52.5	52.9	55.6	55.8	56.3	57.4	57.7	58.0	59.0	59.0	59.2	59.2	59.7	60.1
GE 7000	53.2	53.7	55.5	56.0	58.8	59.0	59.5	60.5	60.9	61.2	62.1	62.1	62.4	62.4	62.9	63.3
GE 6000	53.2	53.7	55.5	56.0	58.8	59.0	59.9	61.1	61.5	61.8	62.8	62.8	63.1	63.1	63.9	64.2
GE 5000	54.4	54.8	56.8	57.2	60.1	60.2	61.3	62.9	63.3	63.6	64.7	64.7	64.9	64.9	65.7	66.0
GE 4500	55.0	55.8	57.7	58.3	61.3	61.5	62.6	64.2	64.5	64.9	65.9	65.9	66.1	66.1	66.9	67.3
GE 4000	56.0	56.9	59.4	60.2	63.3	63.5	64.9	66.5	66.8	67.2	68.2	68.2	68.4	68.4	69.2	69.6
GE 3500	56.2	57.1	59.7	60.5	63.6	63.9	65.2	65.8	67.2	67.5	68.5	68.5	68.9	68.9	69.7	70.0
GE 3000	56.4	57.4	60.0	60.9	64.1	64.3	65.7	67.5	67.8	68.5	69.7	69.8	70.1	70.1	70.9	71.3
GE 2500	56.6	57.5	60.1	61.0	64.2	64.5	66.1	68.2	68.5	69.2	70.5	70.6	71.0	71.0	71.8	72.2
GE 2000	57.7	58.6	61.2	62.5	65.7	66.0	67.6	69.9	70.2	70.9	72.5	72.6	73.2	73.2	74.0	74.3
GE 1800	57.8	58.7	61.5	62.7	65.9	66.2	67.8	70.1	70.5	71.2	72.7	72.9	73.4	73.4	74.3	74.7
GE 1500	60.7	61.7	64.4	65.9	69.2	69.6	71.3	73.5	73.9	74.9	76.6	76.7	77.5	77.5	78.6	78.9
GE 1200	62.7	63.7	66.7	68.3	72.2	72.5	74.6	77.4	77.8	78.8	80.6	81.1	81.9	81.9	83.1	83.5
GE 1000	66.5	67.5	71.2	72.7	77.3	77.7	80.0	83.1	83.5	84.9	86.9	87.3	88.1	88.1	89.4	90.1
GE 900	67.2	68.2	72.1	73.8	78.3	78.7	81.1	84.2	84.6	86.1	88.1	88.6	89.4	89.4	90.6	91.3
GE 800	68.2	69.2	73.1	74.9	79.5	79.9	82.6	85.6	86.1	87.6	90.0	90.4	91.2	91.2	92.5	93.2
GE 700	68.3	69.6	73.4	75.3	79.8	80.3	82.9	86.0	86.4	87.9	90.3	90.8	91.9	91.9	93.2	93.8
GE 600	69.2	70.6	74.5	76.4	81.0	81.4	84.0	87.2	87.9	89.5	91.9	92.4	94.1	94.1	95.3	96.0
GE 500	69.7	71.0	75.0	77.0	81.6	82.1	84.9	88.1	88.8	90.4	92.8	93.5	95.2	95.3	96.7	97.5
GE 400	69.7	71.0	75.1	77.1	81.8	82.2	85.3	88.5	89.2	90.8	93.3	94.0	96.0	96.1	97.5	98.3
GE 300	69.7	71.0	75.4	77.3	82.0	82.4	85.5	88.7	89.4	91.0	93.5	94.2	96.2	96.4	98.1	99.1
GE 200	69.7	71.0	75.4	77.3	82.0	82.4	85.5	88.7	89.4	91.0	93.5	94.2	96.2	96.5	98.2	99.4
GE 100	69.7	71.0	75.4	77.3	82.0	82.4	85.5	88.7	89.4	91.0	93.6	94.3	96.4	96.6	98.4	100.0
GE 000	69.7	71.0	75.4	77.3	82.0	82.4	85.5	88.7	89.4	91.0	93.6	94.3	96.4	96.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 877

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.4	41.0	42.3	43.0	44.6	44.6	45.0	45.6	45.7	46.2	46.5	46.5	46.6	46.8	47.0	47.0
GE 20000	41.7	42.3	43.8	44.6	46.7	46.7	47.1	47.7	47.8	48.3	48.6	48.6	48.7	48.9	49.1	49.1
GE 18000	43.6	44.3	45.7	46.6	48.7	48.7	49.2	49.8	49.9	50.6	50.8	50.8	50.9	51.2	51.3	51.3
GE 16000	44.4	45.1	46.7	47.6	49.7	49.7	50.2	50.8	50.9	51.5	51.8	51.8	51.9	52.2	52.3	52.3
GE 14000	44.7	45.5	47.1	48.0	50.1	50.1	50.6	51.2	51.3	51.9	52.2	52.2	52.3	52.5	52.7	52.7
GE 12000	45.1	46.0	47.7	48.7	50.9	50.9	51.4	52.0	52.2	52.8	53.0	53.0	53.2	53.4	53.5	53.5
GE 10000	46.8	47.7	49.4	50.7	53.0	53.0	53.5	54.1	54.3	54.9	55.1	55.1	55.3	55.5	55.6	55.6
GE 9000	48.5	49.3	51.4	52.7	55.1	55.1	55.6	56.6	57.0	57.8	58.2	58.2	58.5	58.7	58.8	59.0
GE 8000	50.7	51.5	53.6	55.0	57.5	57.5	58.0	59.0	59.3	60.2	60.6	60.6	60.8	61.1	61.2	61.3
GE 7000	52.5	53.4	55.6	57.0	59.8	59.8	60.3	61.3	61.7	62.5	62.9	62.9	63.2	63.4	63.5	63.7
GE 6000	53.0	53.9	56.2	57.6	60.4	60.6	61.2	62.2	62.5	63.4	63.8	63.8	64.0	64.4	64.5	64.6
GE 5000	54.0	54.9	57.2	58.6	61.4	61.6	62.2	63.3	63.7	64.5	64.9	64.9	65.1	65.5	65.6	65.8
GE 4500	54.4	55.5	58.1	59.6	62.5	62.7	63.3	64.4	64.8	65.8	66.1	66.1	66.4	66.7	66.9	67.0
GE 4000	55.6	56.7	59.5	61.2	64.2	64.3	64.9	66.0	66.4	67.4	67.7	67.7	68.0	68.4	68.5	68.6
GE 3500	56.6	57.7	60.6	62.4	65.4	65.6	66.3	67.4	67.7	68.7	69.1	69.1	69.5	69.8	70.0	70.1
GE 3000	57.1	58.5	61.6	63.4	66.4	66.6	67.2	68.4	68.9	70.1	70.5	70.5	70.8	71.2	71.3	71.4
GE 2500	57.5	58.8	62.1	63.9	67.0	67.4	68.2	69.5	70.0	71.2	71.6	71.6	71.9	72.3	72.4	72.6
GE 2000	58.1	59.8	63.2	65.0	68.1	68.5	69.3	70.6	71.1	72.3	72.7	72.7	73.1	73.4	73.5	73.7
GE 1800	58.7	60.4	63.9	65.9	69.0	69.3	70.2	71.6	72.1	73.3	73.8	73.8	74.3	74.7	74.9	75.0
GE 1500	61.2	62.9	66.6	68.6	72.1	72.4	73.3	75.0	75.6	77.1	77.9	77.9	78.7	79.1	79.4	79.5
GE 1200	63.9	65.6	70.1	72.7	76.5	76.9	77.9	80.0	80.6	82.3	83.4	83.6	84.7	85.0	85.3	85.4
GE 1000	66.6	68.4	73.4	76.3	80.6	81.3	82.6	85.0	85.9	87.6	88.9	89.0	90.1	90.5	90.7	90.9
GE 900	67.5	69.5	74.8	77.6	82.0	82.7	83.9	86.4	87.3	89.0	90.2	90.4	91.5	91.8	92.1	92.2
GE 800	68.4	70.3	75.6	78.5	82.8	83.6	84.9	87.4	88.3	90.0	91.2	91.3	92.5	92.8	93.1	93.2
GE 700	69.2	71.3	76.6	79.5	84.1	84.8	86.2	88.6	89.6	91.6	93.1	93.2	94.3	94.7	95.1	95.2
GE 600	70.0	72.1	77.4	80.2	85.0	85.8	87.1	89.6	90.6	92.6	94.2	94.3	95.4	95.9	96.3	96.4
GE 500	70.2	72.3	77.8	80.8	86.0	86.8	88.1	90.6	91.6	93.6	95.3	95.4	96.5	97.5	98.1	98.4
GE 400	70.3	72.7	78.4	81.5	86.7	87.4	88.8	91.3	92.3	94.3	96.0	96.2	97.3	98.3	98.9	99.1
GE 300	70.3	72.7	78.5	81.6	86.8	87.5	88.9	91.5	92.5	94.4	96.2	96.3	97.4	98.4	99.0	99.3
GE 200	70.3	72.7	78.5	81.6	86.9	87.6	89.0	91.6	92.6	94.6	96.3	96.4	97.5	98.5	99.3	99.8
GE 100	70.3	72.7	78.5	81.6	86.9	87.6	89.0	91.6	92.6	94.6	96.3	96.4	97.5	98.5	99.3	100.0
GE 000	70.3	72.7	78.5	81.6	86.9	87.6	89.0	91.6	92.6	94.6	96.3	96.4	97.5	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 809

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.7	42.4	43.6	44.9	46.1	46.1	46.2	46.2	46.6	46.6	46.9	47.3	47.3	47.3	47.8	47.8
GE 20000	42.2	42.9	44.3	45.5	46.7	46.7	46.8	46.8	47.2	47.2	47.6	47.9	47.9	47.9	48.4	48.4
GE 18000	44.3	45.0	46.3	47.6	49.0	49.0	49.1	49.1	49.5	49.6	50.0	50.4	50.4	50.9	50.9	50.9
GE 16000	44.4	45.2	46.8	48.0	49.5	49.5	49.6	49.6	50.0	50.1	50.5	50.9	50.9	50.9	51.3	51.3
GE 14000	44.6	45.5	47.1	48.3	49.8	49.8	49.9	49.9	50.2	50.4	50.7	51.1	51.1	51.1	51.6	51.6
GE 12000	45.5	46.3	47.9	49.1	50.6	50.6	50.7	50.7	51.1	51.2	51.7	52.1	52.1	52.1	52.6	52.6
GE 10000	47.2	48.2	50.1	51.5	52.9	52.9	53.1	53.2	53.5	53.7	54.2	54.5	54.5	54.5	55.0	55.0
GE 9000	48.7	49.6	51.7	53.3	54.8	55.0	55.1	55.6	56.4	56.6	57.1	57.5	57.5	57.5	57.9	57.9
GE 8000	49.4	50.4	52.7	54.3	55.9	56.1	56.5	57.1	57.8	58.1	58.6	58.9	58.9	58.9	59.4	59.4
GE 7000	50.0	51.0	53.3	55.0	56.8	57.1	57.5	58.2	58.9	59.2	59.7	60.0	60.0	60.0	60.5	60.5
GE 6000	50.5	51.8	54.3	56.1	58.1	58.3	58.7	59.4	60.1	60.4	60.9	61.2	61.2	61.2	61.7	61.7
GE 5000	51.5	52.8	55.5	57.3	59.3	59.5	59.9	60.6	61.5	62.0	62.5	62.8	62.8	62.8	63.3	63.3
GE 4500	52.1	53.4	56.2	58.1	60.0	60.3	60.6	61.4	62.2	62.7	63.2	63.6	63.6	63.6	64.1	64.1
GE 4000	53.2	54.5	57.3	59.3	61.2	61.3	61.9	62.7	63.6	64.1	64.5	64.9	64.9	64.9	65.4	65.4
GE 3500	54.8	56.1	59.4	61.5	64.3	64.5	64.9	65.8	66.6	67.2	67.7	68.1	68.3	68.3	68.8	68.8
GE 3000	55.5	57.1	60.5	62.7	65.6	65.9	66.3	67.1	68.2	68.9	69.4	69.8	70.0	70.0	70.5	70.5
GE 2500	56.2	57.8	61.4	63.6	66.5	66.7	67.2	68.1	69.2	70.2	70.7	71.0	71.3	71.3	71.8	71.8
GE 2000	57.3	59.0	62.7	65.2	68.1	68.3	68.8	69.7	70.8	71.8	72.2	72.6	72.9	72.9	73.3	73.3
GE 1300	57.8	59.5	63.2	65.6	68.6	68.8	69.3	70.4	71.5	72.5	73.0	73.3	73.6	73.6	74.1	74.1
GE 1500	61.0	62.8	66.6	69.1	72.9	73.1	73.6	75.1	76.2	77.1	77.8	78.1	78.6	78.6	79.1	79.1
GE 1200	64.1	65.9	69.9	72.9	77.4	77.8	78.9	80.6	81.8	83.5	84.6	85.0	85.8	85.8	86.3	86.3
GE 1000	66.9	68.8	73.2	76.3	82.2	82.8	84.1	86.1	87.4	89.2	90.3	90.7	91.6	91.6	92.1	92.1
GE 900	67.7	69.7	74.2	77.3	83.1	83.7	85.1	87.0	88.4	90.2	91.3	91.7	92.5	92.5	93.0	93.0
GE 800	68.8	70.8	75.4	78.5	84.4	85.0	86.3	88.4	89.7	91.6	92.7	93.0	94.0	94.0	94.7	94.7
GE 700	69.7	71.8	76.5	79.6	85.5	86.1	87.4	89.5	90.8	92.7	93.8	94.1	95.1	95.1	95.8	95.8
GE 600	70.2	72.2	77.0	80.2	86.1	86.7	88.0	90.1	91.4	93.3	94.4	94.7	95.7	95.7	96.5	96.5
GE 500	70.4	72.6	77.8	80.9	86.8	87.4	88.8	91.0	92.3	94.1	95.8	96.2	97.3	97.4	98.4	98.5
GE 400	70.5	72.9	78.1	81.4	87.3	87.9	89.2	91.4	92.8	94.6	96.3	96.7	97.8	97.9	99.1	99.4
GE 300	70.7	73.0	78.2	81.5	87.4	88.0	89.4	91.6	93.0	94.9	96.6	96.9	98.0	98.2	99.4	99.8
GE 200	70.7	73.0	78.2	81.5	87.4	88.0	89.5	91.7	93.2	95.0	96.7	97.1	98.2	98.3	99.5	99.9
GE 100	70.7	73.0	78.2	81.5	87.4	88.0	89.5	91.7	93.2	95.1	96.8	97.2	98.3	98.4	99.6	100.0
GE 000	70.7	73.0	78.2	81.5	87.4	88.0	89.5	91.7	93.2	95.1	96.8	97.2	98.3	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 818

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.1	42.6	43.7	44.6	46.1	46.3	46.7	47.2	47.5	47.9	48.1	48.1	48.2	48.2	48.6	48.6
GE 20000	43.4	43.9	45.0	46.0	47.7	47.8	48.3	48.8	49.1	49.5	49.7	49.7	49.8	49.8	50.2	50.3
GE 18000	44.7	45.3	46.5	47.5	49.2	49.3	49.9	50.3	50.7	51.1	51.4	51.4	51.5	51.5	51.9	51.9
GE 16000	45.1	45.7	46.9	47.9	49.7	49.8	50.5	50.9	51.3	51.7	52.0	52.0	52.1	52.1	52.5	52.5
GE 14000	45.5	46.1	47.3	48.3	50.1	50.2	50.9	51.3	51.7	52.1	52.4	52.4	52.5	52.5	52.9	53.0
GE 12000	46.1	46.7	48.0	49.1	50.8	51.0	51.6	52.1	52.4	52.8	53.2	53.2	53.3	53.3	53.7	53.7
GE 10000	47.7	48.4	49.8	50.9	52.7	52.9	53.6	54.0	54.4	54.8	55.2	55.2	55.3	55.3	55.7	55.8
GE 9000	49.4	50.1	51.7	52.8	54.7	54.9	55.7	56.3	56.7	57.2	57.6	57.7	57.8	57.9	58.2	58.4
GE 8000	50.8	51.7	53.4	54.6	56.7	56.9	57.7	58.4	58.9	59.4	59.9	60.0	60.1	60.1	60.5	60.6
GE 7000	52.3	53.2	54.9	56.2	58.4	58.6	59.5	60.2	60.7	61.2	61.8	61.8	62.0	62.0	62.4	62.5
GE 6000	52.5	53.5	55.3	56.5	58.8	59.1	60.0	60.8	61.3	61.8	62.4	62.4	62.6	62.6	63.0	63.1
GE 5000	53.4	54.4	56.3	57.6	60.0	60.3	61.4	62.2	62.7	63.3	63.9	63.9	64.1	64.1	64.5	64.6
GE 4500	54.1	55.2	57.1	58.5	61.0	61.2	62.3	63.1	63.6	64.2	64.8	64.8	65.0	65.0	65.4	65.6
GE 4000	55.2	56.3	58.4	59.9	62.6	62.8	64.0	64.8	65.4	66.0	66.6	66.6	66.8	66.8	67.2	67.4
GE 3500	56.0	57.2	59.4	61.0	63.8	64.2	65.4	66.2	66.8	67.5	68.0	68.0	68.3	68.3	68.7	68.8
GE 3000	56.7	58.0	60.4	62.0	64.9	65.2	66.5	67.3	68.0	68.8	69.4	69.4	69.7	69.7	70.1	70.2
GE 2500	57.4	58.7	61.3	63.0	65.9	66.3	67.6	68.6	69.3	70.1	70.7	70.8	71.0	71.1	71.4	71.6
GE 2000	58.3	59.7	62.5	64.2	67.1	67.6	68.9	69.9	70.6	71.5	72.2	72.2	72.5	72.6	73.0	73.1
GE 1800	58.6	60.0	62.9	64.6	67.5	68.0	69.3	70.3	71.1	71.9	72.6	72.7	73.0	73.0	73.5	73.6
GE 1500	61.2	62.9	65.9	67.8	71.0	71.5	72.9	74.2	75.0	76.1	77.0	77.0	77.5	77.5	78.1	78.2
GE 1200	64.6	66.6	70.0	72.3	76.0	76.6	78.6	80.5	81.4	82.9	84.0	84.2	84.8	84.8	85.5	85.6
GE 1000	67.6	69.6	73.5	75.8	80.1	80.7	82.9	85.2	86.2	87.9	89.1	89.2	89.9	90.0	90.7	90.9
GE 900	68.4	70.5	74.5	76.9	81.2	81.9	84.2	86.7	87.7	89.4	90.6	90.7	91.4	91.5	92.2	92.4
GE 800	69.4	71.5	75.6	78.0	82.5	83.2	85.7	88.2	89.3	91.0	92.3	92.4	93.2	93.3	94.1	94.4
GE 700	69.9	72.1	76.2	78.6	83.2	83.9	86.4	89.0	90.1	91.8	93.2	93.4	94.2	94.3	95.1	95.4
GE 600	70.5	72.7	76.9	79.3	83.9	84.7	87.2	89.8	90.9	92.8	94.2	94.4	95.3	95.4	96.3	96.6
GE 500	70.9	73.2	77.4	79.9	84.6	85.3	87.9	90.5	91.6	93.5	95.1	95.3	96.2	96.4	97.4	98.0
GE 400	71.0	73.4	77.7	80.2	85.0	85.7	88.3	91.0	92.2	94.1	95.7	95.9	96.9	97.1	98.2	98.8
GE 300	71.2	73.5	77.9	80.4	85.2	86.0	88.6	91.3	92.5	94.4	96.0	96.2	97.4	97.7	98.8	99.5
GE 200	71.2	73.6	78.0	80.5	85.2	86.0	88.6	91.4	92.6	94.5	96.2	96.4	97.5	97.8	99.0	99.8
GE 100	71.2	73.6	78.0	80.5	85.2	86.0	88.6	91.4	92.6	94.5	96.2	96.4	97.6	97.8	99.1	100.0
GE 000	71.2	73.6	78.0	80.5	85.2	86.0	88.6	91.4	92.6	94.5	96.2	96.4	97.6	97.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6805



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.9	48.1	49.4	50.1	51.0	51.0	52.2	53.2	53.8	54.6	55.8	55.8	56.4	56.4	57.5	57.7
GE 20000	50.4	50.7	52.0	52.7	53.6	53.6	54.8	55.8	56.4	57.2	58.4	58.4	58.9	58.9	60.4	60.6
GE 18000	50.8	51.0	52.3	53.0	53.9	53.9	55.1	56.5	57.0	57.8	59.1	59.1	59.6	59.6	61.1	61.3
GE 16000	50.8	51.0	52.3	53.0	53.9	53.9	55.1	56.5	57.0	57.8	59.1	59.1	59.6	59.6	61.1	61.3
GE 14000	51.0	51.2	52.6	53.2	54.1	54.1	55.4	56.7	57.3	58.1	59.3	59.3	59.8	59.8	61.3	61.5
GE 12000	51.8	52.0	53.4	54.1	55.0	55.0	56.3	57.6	58.2	58.9	60.2	60.2	60.7	60.7	62.2	62.4
GE 10000	54.4	54.6	56.2	57.0	58.3	58.3	59.6	61.0	61.5	62.5	63.8	63.8	64.3	64.3	66.1	66.3
GE 9000	55.1	55.4	57.2	58.1	59.7	59.8	61.4	62.8	63.3	64.3	65.5	65.5	66.1	66.1	67.9	68.1
GE 8000	57.6	57.8	59.6	60.5	62.5	62.6	64.2	65.5	66.1	67.1	68.3	68.3	68.9	68.9	70.7	70.9
GE 7000	58.9	59.2	61.0	61.9	64.1	64.2	65.8	67.1	67.7	68.7	69.9	69.9	70.5	70.5	72.3	72.5
GE 6000	59.5	59.8	61.6	62.5	64.8	64.9	66.4	67.8	68.3	69.4	70.6	70.6	71.1	71.1	72.9	73.2
GE 5000	59.8	60.2	62.0	62.9	65.1	65.2	66.8	68.1	68.7	69.8	71.1	71.1	71.7	71.7	73.5	73.7
GE 4500	60.0	60.3	62.1	63.0	65.2	65.3	66.9	68.2	68.9	70.0	71.4	71.4	71.9	71.9	73.7	73.9
GE 4000	61.0	61.4	63.5	64.4	66.8	66.9	68.5	69.8	70.5	71.8	73.2	73.2	73.7	73.7	75.5	75.7
GE 3500	61.4	61.9	64.4	66.0	68.5	68.6	70.1	71.8	72.5	73.9	75.5	75.5	76.1	76.1	77.9	78.1
GE 3000	62.2	62.6	65.3	66.9	69.5	69.6	71.1	73.0	73.7	75.2	76.8	76.8	77.7	77.7	79.5	79.8
GE 2500	62.9	63.3	66.1	67.7	70.4	70.5	72.0	73.9	74.6	76.1	77.7	77.7	78.6	78.6	80.4	80.9
GE 2000	63.5	64.0	67.0	68.9	71.9	72.0	73.7	75.8	76.5	78.0	79.8	79.8	80.6	80.6	82.6	83.0
GE 1800	64.0	64.5	67.6	69.5	72.7	72.8	74.5	76.6	77.3	78.7	80.5	80.5	81.4	81.4	83.3	83.8
GE 1500	65.4	66.0	69.5	71.6	75.2	75.3	77.0	79.1	80.0	81.4	83.2	83.2	84.1	84.1	86.0	86.5
GE 1200	67.0	67.6	71.5	73.8	77.7	77.9	79.5	81.8	82.7	84.6	86.5	86.5	87.6	87.6	89.5	89.9
GE 1000	69.5	70.0	74.4	76.7	80.9	81.0	82.7	84.9	85.8	87.9	90.2	90.2	91.3	91.3	93.2	93.6
GE 900	70.7	71.3	75.8	78.2	82.4	82.6	84.3	86.6	87.5	89.6	91.8	91.8	93.0	93.0	94.9	95.3
GE 800	71.1	71.7	76.3	78.6	82.9	83.0	84.9	87.1	88.0	90.2	92.4	92.4	93.5	93.5	95.4	95.9
GE 700	71.4	71.9	76.5	78.9	83.3	83.4	85.3	87.6	88.5	90.6	92.8	92.8	94.0	94.0	95.9	96.3
GE 600	71.9	72.5	77.2	79.6	84.2	84.3	86.2	88.8	89.8	91.9	94.5	94.5	95.9	95.9	97.8	98.2
GE 500	72.0	72.6	77.3	80.0	84.6	84.7	86.6	89.1	90.2	92.3	94.9	94.9	96.2	96.2	98.1	98.5
GE 400	72.1	72.7	77.4	80.1	84.7	84.8	86.7	89.3	90.3	92.4	95.0	95.0	96.4	96.4	98.3	98.8
GE 300	72.4	72.9	77.6	80.3	84.9	85.0	86.9	89.5	90.5	92.6	95.3	95.3	96.8	96.8	99.0	99.4
GE 200	72.4	72.9	77.6	80.3	84.9	85.0	86.9	89.5	90.5	92.6	95.4	95.4	96.9	96.9	99.1	99.6
GE 100	72.4	72.9	77.6	80.3	84.9	85.0	86.9	89.5	90.5	92.6	95.4	95.4	96.9	96.9	99.1	99.6
GE 000	72.4	72.9	77.6	80.3	84.9	85.0	86.9	89.5	90.5	92.6	95.4	95.4	96.9	96.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 894

D - 2 - 100

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	48.5	49.3	49.8	51.0	51.3	51.7	52.9	53.2	54.3	54.7	54.7	55.5	55.5	56.7	56.9
GE 20000	49.6	50.0	50.9	51.3	52.7	53.1	53.5	54.7	54.9	56.1	56.6	56.6	57.3	57.3	58.6	58.8
GE 18000	49.6	50.0	51.0	51.4	52.8	53.2	53.6	55.0	55.2	56.4	56.9	56.9	57.6	57.6	59.0	59.2
GE 16000	49.6	50.0	51.0	51.4	52.8	53.2	53.6	55.1	55.3	56.6	57.0	57.0	57.8	57.8	59.1	59.3
GE 14000	49.6	50.0	51.0	51.4	52.8	53.2	53.6	55.1	55.3	56.6	57.0	57.0	57.8	57.8	59.1	59.3
GE 12000	50.2	50.8	51.9	52.3	53.7	54.0	54.5	56.0	56.2	57.4	57.9	57.9	58.6	58.6	59.9	60.2
GE 10000	52.9	53.5	54.6	55.0	56.4	56.8	57.2	58.8	59.1	60.4	60.8	60.8	61.6	61.6	63.2	63.4
GE 9000	54.0	54.7	56.2	56.7	58.6	59.0	59.4	61.4	61.6	62.9	63.3	63.3	64.1	64.1	65.7	65.9
GE 8000	57.5	58.3	60.0	60.6	62.9	63.2	63.6	65.7	65.9	67.6	68.1	68.1	68.9	68.9	70.5	70.7
GE 7000	59.3	60.0	61.8	62.3	64.6	65.0	65.4	67.5	67.7	69.3	69.9	69.9	70.6	70.6	72.3	72.5
GE 6000	59.7	60.5	62.2	62.8	65.1	65.4	65.8	68.2	68.4	70.1	70.6	70.6	71.4	71.4	73.0	73.3
GE 5000	60.2	60.9	62.9	63.4	65.7	66.0	66.5	69.0	69.2	70.9	71.4	71.4	72.2	72.2	73.8	74.0
GE 4500	60.2	61.0	63.0	63.5	65.9	66.3	66.7	69.2	69.7	71.4	71.9	71.9	72.7	72.7	74.3	74.6
GE 4000	60.7	61.7	63.9	64.5	67.1	67.5	67.9	70.5	71.0	72.9	73.5	73.5	74.2	74.2	75.9	76.1
GE 3500	61.9	63.2	65.8	66.6	69.2	69.5	70.1	72.7	73.1	75.4	76.0	76.0	76.7	76.7	78.4	78.6
GE 3000	62.2	63.9	66.5	67.2	70.0	70.3	70.9	73.5	73.9	76.2	76.7	76.7	77.8	77.8	79.5	79.7
GE 2500	63.1	64.8	67.6	68.4	71.2	71.5	72.2	74.8	75.2	77.5	78.1	78.1	79.1	79.1	80.8	81.0
GE 2000	63.9	65.6	68.3	69.2	72.1	72.4	73.3	75.9	76.3	78.6	79.1	79.1	80.2	80.2	81.9	82.1
GE 1800	64.6	66.4	69.1	70.0	72.8	73.1	74.0	77.0	77.4	79.7	80.2	80.2	81.3	81.3	83.0	83.2
GE 1500	66.5	68.4	71.5	73.0	76.2	76.6	77.6	80.9	81.9	84.3	84.8	84.8	85.9	85.9	87.6	87.8
GE 1200	67.9	70.0	73.4	75.0	78.5	78.9	80.2	83.8	84.9	87.6	88.2	88.2	89.4	89.4	91.2	91.4
GE 1000	68.8	71.1	74.8	76.6	80.6	81.0	82.4	86.4	87.4	90.3	91.2	91.2	92.4	92.4	94.1	94.4
GE 900	69.3	71.6	75.3	77.3	81.4	81.9	83.3	87.2	88.3	91.2	92.0	92.0	93.2	93.2	95.0	95.3
GE 800	69.7	71.9	75.7	77.8	82.0	82.4	84.2	88.4	89.5	92.4	93.2	93.2	94.4	94.4	96.2	96.5
GE 700	69.8	72.1	75.8	77.9	82.2	82.6	84.4	88.6	89.7	92.6	93.7	93.7	94.9	94.9	96.6	96.9
GE 600	70.6	72.9	77.0	79.3	83.5	84.0	85.7	90.3	91.4	94.2	95.6	95.6	96.8	96.8	98.6	98.9
GE 500	70.6	72.9	77.0	79.3	83.5	84.0	85.7	90.3	91.4	94.2	95.6	95.6	96.8	96.8	98.6	98.9
GE 400	70.6	72.9	77.0	79.4	83.6	84.2	85.9	90.5	91.6	94.4	95.9	95.9	97.2	97.2	98.9	99.3
GE 300	70.6	72.9	77.0	79.4	83.6	84.3	86.0	90.6	91.7	94.5	96.0	96.0	97.3	97.3	99.0	99.5
GE 200	70.6	72.9	77.0	79.4	83.6	84.3	86.0	90.6	91.7	94.5	96.0	96.0	97.3	97.3	99.0	99.5
GE 100	70.6	72.9	77.0	79.4	83.6	84.3	86.0	90.6	91.7	94.5	96.0	96.0	97.3	97.3	99.0	99.6
GE 000	70.6	72.9	77.0	79.4	83.6	84.3	86.0	90.6	91.7	94.5	96.0	96.0	97.3	97.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 916

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	48.0	48.5	49.3	50.5	50.7	51.3	52.1	52.3	53.5	53.6	53.7	53.9	53.9	54.3	54.6
GE 20000	48.7	49.7	50.3	51.2	52.7	52.9	53.5	54.3	54.5	55.9	56.0	56.1	56.4	56.5	57.0	57.2
GE 18000	49.7	50.7	51.3	52.1	53.7	53.9	54.5	56.0	56.1	57.5	57.6	57.8	58.1	58.2	58.6	58.9
GE 16000	49.8	50.8	51.4	52.3	53.8	54.0	54.6	56.1	56.2	57.6	57.8	57.9	58.2	58.3	58.7	59.0
GE 14000	50.1	51.0	51.6	52.5	54.0	54.2	54.8	56.3	56.4	57.9	58.0	58.1	58.4	58.5	59.0	59.2
GE 12000	50.3	51.4	52.1	53.0	54.6	54.8	55.3	56.9	57.0	58.4	58.5	58.6	59.0	59.1	59.5	59.7
GE 10000	52.3	53.5	54.3	55.2	56.8	57.0	57.5	59.2	59.3	60.8	60.9	61.1	61.6	61.7	62.2	62.4
GE 9000	55.3	56.5	57.8	58.6	60.2	60.4	60.9	62.6	62.7	64.2	64.4	64.5	65.1	65.2	65.7	65.9
GE 8000	57.5	58.7	60.4	61.3	62.8	63.0	63.6	65.6	65.7	67.8	67.9	68.0	68.6	68.8	69.2	69.4
GE 7000	59.3	60.5	62.2	63.1	64.7	64.9	65.7	67.7	67.8	70.0	70.2	70.3	71.0	71.1	71.5	71.7
GE 6000	60.0	61.2	62.8	63.8	65.3	65.6	66.3	68.3	68.5	70.8	71.1	71.2	71.9	72.1	72.5	72.7
GE 5000	60.3	61.5	63.1	64.1	65.9	66.1	66.9	69.0	69.2	71.5	71.7	71.8	72.6	72.7	73.2	73.4
GE 4500	60.3	61.6	63.3	64.2	66.0	66.2	67.0	69.1	69.3	71.8	72.1	72.2	72.9	73.0	73.5	73.7
GE 4000	60.5	62.2	63.9	65.3	67.2	67.4	68.2	70.7	71.0	73.5	73.7	73.8	74.6	74.7	75.1	75.4
GE 3500	61.7	63.5	65.3	66.8	69.2	69.4	70.2	72.7	72.9	75.5	75.7	75.8	76.8	76.9	77.3	77.6
GE 3000	62.0	63.8	65.8	67.2	69.7	70.0	70.7	73.3	73.5	76.0	76.2	76.3	77.7	77.8	78.3	78.5
GE 2500	63.1	65.0	67.3	68.8	71.3	71.6	72.4	74.9	75.1	77.7	77.9	78.0	79.3	79.4	80.0	80.2
GE 2000	64.1	66.0	68.3	69.7	72.4	72.7	73.7	76.2	76.5	79.0	79.2	79.3	80.6	80.7	81.3	81.5
GE 1800	64.7	66.6	68.9	70.5	73.2	73.6	74.6	77.2	77.4	80.0	80.2	80.3	81.6	81.7	82.3	82.5
GE 1500	66.1	68.2	71.0	72.7	75.7	76.6	78.0	81.2	81.5	84.2	84.4	84.5	85.8	85.9	86.6	86.9
GE 1200	68.6	71.0	73.9	76.1	79.4	80.3	81.7	85.0	85.6	88.2	88.7	88.8	90.1	90.2	90.9	91.2
GE 1000	69.3	71.8	74.9	77.3	81.1	82.1	83.8	87.5	88.1	91.0	91.4	91.5	93.0	93.1	93.7	94.1
GE 900	69.7	72.4	75.5	77.9	81.7	82.7	84.5	88.1	88.8	91.7	92.3	92.4	93.8	93.9	94.6	94.9
GE 800	69.9	72.5	75.7	78.2	82.5	83.5	85.3	89.2	89.9	93.0	93.5	93.6	95.0	95.2	95.8	96.1
GE 700	69.9	72.6	75.8	78.3	82.7	83.7	85.6	89.5	90.2	93.3	93.8	93.9	95.4	95.5	96.1	96.5
GE 600	70.7	73.5	77.2	79.9	84.4	85.4	87.2	91.6	92.3	95.4	96.3	96.4	97.8	97.9	98.6	98.9
GE 500	70.7	73.5	77.2	79.9	84.4	85.4	87.2	91.6	92.3	95.4	96.3	96.4	97.8	97.9	98.6	98.9
GE 400	70.7	73.5	77.4	80.2	84.7	85.7	87.6	92.0	92.6	95.7	96.6	96.7	98.1	98.2	98.9	99.2
GE 300	70.7	73.5	77.4	80.2	84.7	85.7	87.6	92.0	92.6	95.7	96.6	96.7	98.1	98.2	98.9	99.2
GE 200	70.7	73.5	77.4	80.2	84.7	85.7	87.6	92.1	92.7	95.8	96.7	96.8	98.2	98.3	99.0	99.3
GE 100	70.7	73.5	77.4	80.2	84.7	85.7	87.6	92.1	92.7	95.8	96.7	96.8	98.2	98.3	99.0	99.3
GE 000	70.7	73.5	77.4	80.2	84.7	85.7	87.6	92.1	92.7	95.8	96.7	96.8	98.2	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.8	50.3	51.9	52.8	53.9	54.5	55.2	56.2	56.3	56.5	56.9	57.0	57.2	57.2	57.6	57.8
GE 20000	51.4	52.0	53.5	54.4	55.9	56.6	57.3	58.3	58.4	58.6	59.3	59.4	59.5	59.5	60.0	60.2
GE 18000	51.7	52.2	53.7	54.6	56.3	56.9	57.7	58.8	58.9	59.1	59.8	59.9	60.0	60.0	60.6	60.8
GE 16000	51.7	52.2	53.7	54.6	56.3	56.9	57.7	58.8	58.9	59.1	59.8	59.9	60.0	60.0	60.6	60.8
GE 14000	52.0	52.5	54.1	55.0	56.6	57.3	58.0	59.1	59.3	59.5	60.1	60.2	60.4	60.4	60.9	61.1
GE 12000	53.0	53.7	55.3	56.2	57.8	58.5	59.3	60.4	60.5	60.7	61.3	61.5	61.6	61.6	62.1	62.7
GE 10000	55.3	56.3	57.9	59.0	60.7	61.3	62.1	63.5	63.7	63.9	64.5	64.6	64.8	64.8	65.3	65.9
GE 9000	56.8	57.9	59.6	60.7	62.3	63.2	64.0	65.4	65.5	65.9	66.6	66.7	67.0	67.0	67.5	68.1
GE 8000	59.0	60.1	62.0	63.1	64.8	65.6	66.4	67.8	68.0	68.8	69.6	69.7	69.9	69.9	70.5	71.0
GE 7000	60.6	61.7	63.5	64.8	66.5	67.4	68.2	69.6	69.7	70.6	71.4	71.5	71.7	71.7	72.2	72.8
GE 6000	60.8	61.9	63.8	65.0	66.7	67.7	68.5	69.9	70.3	71.1	72.0	72.1	72.4	72.4	72.9	73.5
GE 5000	61.2	62.4	64.4	65.6	67.4	68.4	69.5	70.9	71.4	72.5	73.3	73.5	73.7	73.7	74.2	74.8
GE 4500	61.2	62.4	64.4	65.6	67.4	68.4	69.5	70.9	71.5	72.6	73.5	73.6	73.8	73.8	74.3	74.9
GE 4000	61.9	63.2	65.4	66.6	68.4	69.4	70.5	71.9	72.5	73.7	74.7	74.8	75.1	75.1	75.7	76.2
GE 3500	62.8	64.1	66.3	67.5	69.4	70.4	71.5	72.9	73.5	74.7	75.7	75.8	76.1	76.1	76.7	77.2
GE 3000	63.7	65.0	67.3	68.6	70.8	71.8	73.1	74.6	75.1	76.3	77.3	77.4	78.0	78.0	78.7	79.3
GE 2500	63.7	65.1	67.8	69.3	71.6	72.6	73.9	75.3	75.9	77.1	78.1	78.2	78.7	78.7	79.5	80.1
GE 2000	64.1	65.9	68.7	70.3	72.9	73.9	75.6	77.0	77.5	78.7	79.8	80.0	80.8	80.8	81.6	82.3
GE 1800	64.4	66.2	69.1	70.7	73.3	74.4	76.1	77.5	78.1	79.3	80.4	80.5	81.4	81.4	82.2	82.8
GE 1500	65.7	67.7	70.7	72.4	75.1	76.4	78.1	79.5	80.1	81.4	82.5	82.6	83.5	83.5	84.3	84.9
GE 1200	68.5	70.9	74.2	76.1	79.2	80.6	82.3	84.1	85.0	86.3	87.4	87.6	88.4	88.4	89.2	89.9
GE 1000	69.6	72.4	76.0	78.1	81.5	83.0	84.8	86.7	87.6	89.0	90.5	90.6	91.5	91.5	92.3	93.0
GE 900	70.2	72.9	76.7	78.7	82.2	83.7	85.5	87.7	88.5	90.1	91.6	91.7	92.6	92.6	93.4	94.1
GE 800	70.2	72.9	76.7	79.1	82.6	84.1	85.9	88.2	89.1	90.6	92.2	92.3	93.2	93.2	93.9	94.6
GE 700	70.7	73.5	77.3	79.8	83.5	85.0	86.8	89.5	90.4	92.2	93.7	93.8	94.7	94.7	95.5	96.1
GE 600	71.3	74.0	77.9	80.5	84.4	85.9	87.7	90.6	91.5	93.4	95.2	95.3	96.1	96.1	96.9	97.6
GE 500	71.7	74.6	78.4	81.1	84.9	86.5	88.2	91.2	92.1	93.9	95.7	95.8	96.7	96.7	97.5	98.1
GE 400	72.0	74.9	78.9	81.5	85.5	87.0	88.8	91.7	92.6	94.5	96.3	96.4	97.2	97.2	98.0	98.7
GE 300	72.2	75.1	79.1	81.8	85.8	87.3	89.1	92.1	93.0	94.8	96.6	96.7	97.6	97.6	98.3	99.0
GE 200	72.2	75.1	79.1	81.8	85.8	87.3	89.1	92.1	93.1	95.0	96.8	96.9	97.8	97.8	98.6	99.2
GE 100	72.2	75.1	79.1	81.8	85.8	87.3	89.2	92.2	93.2	95.2	96.9	97.1	98.0	98.0	98.9	99.6
GE 000	72.2	75.1	79.1	81.8	85.8	87.3	89.2	92.2	93.2	95.2	96.9	97.1	98.0	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"  
USAFETAC, ASEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: L C HOURS: 12-14

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.9	49.1	49.7	50.0	51.1	51.1	51.2	51.6	51.7	51.7	52.8	52.8	53.3	53.3	53.4	54.1
GE 20000	51.2	51.5	52.0	52.4	53.6	53.6	53.7	54.4	54.5	54.5	55.6	55.6	56.1	56.1	56.3	57.0
GE 18000	51.8	52.0	52.6	52.9	54.2	54.3	54.4	55.1	55.2	55.3	56.4	56.4	56.9	56.9	57.1	57.8
GE 16000	51.9	52.1	52.7	53.0	54.3	54.4	54.5	55.2	55.3	55.4	56.5	56.5	57.0	57.0	57.2	57.9
GE 14000	52.3	52.5	53.0	53.4	54.6	54.7	54.8	55.5	55.6	55.7	56.9	56.9	57.3	57.3	57.5	58.2
GE 12000	52.9	53.2	53.7	54.1	55.3	55.4	55.5	56.2	56.3	56.4	57.5	57.5	58.0	58.0	58.2	59.0
GE 10000	54.7	55.0	55.5	55.9	57.2	57.3	57.4	58.1	58.6	58.7	59.8	59.8	60.4	60.4	60.6	61.4
GE 9000	56.9	57.2	57.9	58.2	59.6	59.7	60.0	60.7	61.1	61.3	62.4	62.4	63.0	63.0	63.2	64.0
GE 8000	60.8	61.1	61.9	62.4	63.7	64.2	64.8	65.4	65.9	66.4	67.7	67.7	68.2	68.2	68.5	69.3
GE 7000	63.7	64.1	65.3	65.8	67.1	67.7	68.5	69.1	69.6	70.3	71.5	71.5	72.1	72.1	72.3	73.1
GE 6000	64.0	64.3	65.5	66.0	67.3	67.9	68.8	69.5	69.9	70.6	72.0	72.0	72.5	72.5	72.7	73.5
GE 5000	64.2	64.5	65.9	66.4	67.9	68.5	69.4	70.3	70.7	71.4	72.7	72.7	73.3	73.3	73.5	74.4
GE 4500	64.9	65.2	66.6	67.1	68.6	69.1	70.0	70.9	71.4	72.1	73.4	73.4	74.0	74.0	74.2	75.1
GE 4000	65.5	66.0	67.5	68.1	69.6	70.2	71.3	72.2	72.6	73.4	74.8	74.8	75.6	75.6	75.9	76.8
GE 3500	66.3	66.8	68.4	69.0	70.5	71.1	72.3	73.2	73.6	74.4	75.8	75.8	76.6	76.6	77.1	78.0
GE 3000	67.0	67.5	69.0	69.8	71.6	72.3	73.5	74.4	74.9	75.7	77.0	77.0	78.2	78.2	78.9	79.8
GE 2500	67.3	67.9	69.7	70.5	72.4	73.1	74.3	75.2	75.7	76.5	77.8	77.8	78.9	78.9	79.7	80.6
GE 2000	68.2	68.8	70.7	71.7	73.6	74.3	75.7	76.8	77.4	78.2	79.5	79.5	80.6	80.6	81.4	82.3
GE 1800	68.7	69.4	71.3	72.3	74.2	74.9	76.2	77.4	77.9	78.7	80.2	80.2	81.3	81.3	82.1	83.0
GE 1500	71.2	71.8	73.8	74.9	76.8	77.5	79.2	80.7	81.4	82.2	83.7	83.7	84.8	84.8	85.6	86.5
GE 1200	73.6	74.4	76.4	77.6	79.7	80.4	82.1	84.2	84.9	86.0	87.5	87.5	88.6	88.6	89.4	90.3
GE 1000	75.1	76.0	78.0	79.3	81.9	82.5	84.2	86.9	87.7	89.1	90.5	90.5	91.7	91.7	92.5	93.4
GE 900	75.5	76.4	78.4	79.6	82.3	83.0	84.7	87.6	88.4	89.8	91.2	91.2	92.3	92.3	93.1	94.0
GE 800	75.6	76.6	78.7	80.1	82.9	83.6	85.4	88.3	89.1	90.4	91.9	91.9	93.0	93.0	93.8	94.7
GE 700	76.2	77.3	79.5	80.9	83.9	84.6	86.5	89.5	90.3	91.7	93.1	93.1	94.3	94.3	95.0	95.9
GE 600	76.8	77.8	80.3	81.6	84.8	85.5	87.4	90.7	91.4	92.8	94.3	94.3	95.4	95.4	96.5	97.4
GE 500	77.9	78.9	81.5	82.9	86.0	86.7	88.6	91.9	92.7	94.0	95.6	95.6	96.7	96.7	97.9	98.8
GE 400	78.4	79.4	82.0	83.3	86.5	87.2	89.1	92.3	93.1	94.5	96.2	96.2	97.3	97.3	98.4	99.3
GE 300	78.4	79.4	82.1	83.4	86.6	87.3	89.2	92.5	93.2	94.6	96.3	96.3	97.4	97.4	98.5	99.4
GE 200	78.4	79.4	82.1	83.4	86.6	87.3	89.2	92.5	93.2	94.6	96.3	96.3	97.4	97.4	98.5	99.5
GE 100	78.4	79.4	82.1	83.6	86.7	87.4	89.3	92.6	93.4	94.7	96.4	96.4	97.5	97.5	98.6	99.7
GE 000	78.4	79.4	82.1	83.6	86.7	87.4	89.3	92.6	93.4	94.7	96.4	96.4	97.5	97.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	46.3	46.5	47.0	47.6	47.7	47.7	48.2	48.7	49.0	49.3	49.3	49.8	49.9	50.2	50.3
GE 20000	49.0	49.1	49.3	49.8	50.3	50.4	50.4	51.1	51.6	51.9	52.2	52.2	52.7	52.9	53.5	53.6
GE 18000	49.6	49.7	50.0	50.4	51.3	51.4	51.4	52.1	52.6	52.9	53.3	53.3	54.0	54.2	54.8	54.9
GE 16000	50.2	50.3	50.7	51.1	52.0	52.1	52.1	52.8	53.2	53.6	54.0	54.0	54.7	54.9	55.5	55.7
GE 14000	50.3	50.4	50.8	51.2	52.1	52.2	52.2	52.9	53.3	53.7	54.1	54.1	54.8	55.0	55.6	56.1
GE 12000	51.8	51.9	52.2	52.7	53.6	53.7	53.7	54.3	54.8	55.1	55.6	55.6	56.2	56.5	57.0	57.6
GE 10000	54.7	54.8	55.1	55.6	56.5	56.6	56.6	57.2	57.7	58.0	58.6	58.6	59.2	59.5	60.0	60.6
GE 9000	56.2	56.5	56.9	57.3	58.2	58.4	58.4	59.1	59.8	60.1	60.7	60.7	61.4	61.6	62.1	62.7
GE 8000	60.0	60.2	60.8	61.2	62.1	62.2	62.4	63.1	63.8	64.4	64.9	64.9	65.6	65.8	66.4	66.9
GE 7000	63.6	63.9	64.6	65.0	66.1	66.3	66.6	67.4	68.0	68.8	69.4	69.4	70.0	70.3	70.8	71.5
GE 6000	64.4	64.7	65.4	65.8	66.9	67.0	67.5	68.3	69.0	69.8	70.4	70.4	71.0	71.3	71.8	72.5
GE 5000	65.0	65.5	66.4	66.8	68.0	68.3	68.8	69.6	70.4	71.2	71.7	71.7	72.4	72.6	73.2	73.8
GE 4500	65.9	66.5	67.5	67.9	69.3	69.5	70.0	70.8	71.6	72.4	72.9	72.9	73.6	73.8	74.4	75.1
GE 4000	66.7	67.3	68.4	69.0	70.4	70.6	71.2	71.9	72.7	73.5	74.1	74.1	74.7	74.9	75.8	76.5
GE 3500	67.5	68.2	69.7	70.4	71.7	71.9	72.8	73.6	74.4	75.2	75.7	75.7	76.4	76.6	77.8	78.5
GE 3000	67.6	68.5	70.0	70.7	72.2	72.4	73.3	74.4	75.2	76.1	76.6	76.6	77.6	77.8	79.1	79.7
GE 2500	68.4	69.3	70.9	71.6	73.3	73.6	74.5	75.6	76.4	77.3	77.8	77.8	79.0	79.2	80.4	81.1
GE 2000	69.5	70.5	72.3	72.9	74.6	74.9	75.9	77.4	78.2	79.1	79.6	79.6	80.7	81.0	82.2	82.9
GE 1800	69.8	70.9	72.8	73.5	75.2	75.5	76.5	78.0	78.7	79.6	80.3	80.3	81.4	81.6	82.9	83.5
GE 1500	71.4	72.7	74.6	75.3	77.1	77.4	78.4	80.2	81.2	82.2	82.9	82.9	84.0	84.2	85.5	86.2
GE 1200	72.7	74.1	76.3	77.2	79.0	79.3	80.6	83.1	84.1	85.6	86.3	86.3	87.4	87.6	89.0	89.6
GE 1000	75.1	76.4	78.8	79.8	81.8	82.2	83.6	86.5	87.5	89.2	90.0	90.0	91.2	91.4	92.8	93.5
GE 900	75.9	77.3	79.8	81.0	83.0	83.3	84.7	87.6	88.6	90.3	91.1	91.1	92.3	92.5	93.9	94.7
GE 800	76.3	77.6	80.2	81.3	83.3	83.6	85.1	88.0	89.0	90.6	91.4	91.4	92.7	92.9	94.2	95.0
GE 700	77.1	78.7	81.3	82.4	84.4	84.7	86.2	89.2	90.2	91.9	92.7	92.7	93.9	94.1	95.4	96.2
GE 600	77.3	79.0	81.6	82.7	84.7	85.1	86.7	89.8	90.8	92.4	93.4	93.4	94.8	95.0	96.4	97.4
GE 500	77.7	79.4	82.1	83.2	85.2	85.5	87.2	90.2	91.2	92.9	94.2	94.2	95.5	95.8	97.3	98.4
GE 400	77.7	79.4	82.1	83.2	85.2	85.5	87.2	90.2	91.2	92.9	94.2	94.2	95.5	95.8	97.3	98.4
GE 300	77.7	79.4	82.1	83.2	85.2	85.5	87.2	90.2	91.2	92.9	94.2	94.2	95.5	95.9	97.6	98.7
GE 200	77.7	79.4	82.1	83.2	85.2	85.5	87.2	90.2	91.2	92.9	94.2	94.2	95.5	95.9	97.7	99.1
GE 100	77.8	79.5	82.2	83.3	85.3	85.6	87.3	90.3	91.3	93.0	94.3	94.3	95.9	96.2	98.0	99.4
GE 000	77.8	79.5	82.2	83.3	85.3	85.6	87.3	90.3	91.3	93.0	94.3	94.3	95.9	96.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.8	46.8	48.2	48.8	50.6	51.1	51.8	52.3	52.6	52.8	53.3	53.5	53.7	53.8	54.2	54.7
GE 20000	48.4	48.4	49.8	50.6	52.3	52.8	53.6	54.1	54.4	54.6	55.2	55.4	55.6	55.9	56.2	56.7
GE 18000	48.9	48.9	50.3	51.1	53.0	53.5	54.2	55.0	55.2	55.5	56.1	56.2	56.5	56.7	57.1	57.8
GE 16000	49.3	49.3	50.8	51.7	53.6	54.1	54.9	55.7	56.0	56.2	56.9	57.0	57.3	57.5	57.9	58.6
GE 14000	49.7	49.7	51.5	52.3	54.2	54.7	55.5	56.4	56.6	56.9	57.5	57.6	57.9	58.5	58.9	59.6
GE 12000	51.5	51.5	53.2	54.2	56.1	56.6	57.4	58.3	58.5	58.9	59.5	59.6	59.9	60.5	60.9	61.7
GE 10000	54.4	54.4	56.1	57.3	59.1	59.6	60.4	61.3	61.7	62.2	62.8	62.9	63.2	63.8	64.6	65.3
GE 9000	55.4	55.4	57.4	58.6	60.8	61.3	62.3	63.2	63.6	64.1	64.7	64.8	65.1	65.7	66.5	67.2
GE 8000	56.9	56.9	58.9	60.2	62.3	62.8	63.8	64.7	65.1	65.6	66.2	66.3	66.6	67.2	68.1	68.9
GE 7000	58.1	58.1	60.3	61.5	63.7	64.2	65.2	66.1	66.5	67.0	67.6	67.7	68.1	69.0	69.9	70.9
GE 6000	58.9	58.9	61.0	62.3	64.8	65.3	66.3	67.2	67.6	68.1	68.7	68.9	69.2	70.1	71.0	72.0
GE 5000	59.3	59.5	61.8	63.4	66.0	66.5	67.5	68.3	68.7	69.2	69.9	70.0	70.4	71.2	72.1	73.1
GE 4500	59.5	59.9	62.3	64.1	66.6	67.1	68.1	69.1	69.5	70.1	70.7	70.9	71.2	72.1	73.0	74.0
GE 4000	60.5	60.9	63.3	65.1	67.7	68.2	69.2	70.2	70.6	71.2	71.9	72.0	72.4	73.3	74.5	75.5
GE 3500	61.5	61.9	64.9	67.1	69.7	70.2	71.2	72.3	72.8	73.4	74.0	74.1	74.5	75.4	76.8	77.8
GE 3000	62.4	62.9	66.0	68.1	70.7	71.2	72.3	73.8	74.3	74.9	75.7	75.8	76.5	77.4	78.8	79.8
GE 2500	63.2	63.7	67.2	69.5	72.1	72.6	73.6	75.2	75.7	76.3	77.2	77.3	78.1	78.9	80.3	81.3
GE 2000	64.4	65.1	68.6	70.9	73.5	74.0	75.0	76.5	77.0	77.7	78.7	78.8	79.7	80.7	82.1	83.1
GE 1800	64.8	65.6	69.1	71.4	74.0	74.5	75.5	77.0	77.6	78.2	79.2	79.3	80.2	81.2	82.6	83.6
GE 1500	66.2	67.0	70.5	72.8	75.4	75.9	76.9	78.6	79.1	79.7	81.2	81.3	82.2	83.2	84.6	85.6
GE 1200	67.7	68.7	72.4	74.7	77.3	77.8	79.2	81.1	82.0	83.1	84.6	84.7	85.6	86.6	88.0	89.0
GE 1000	70.1	71.1	75.0	77.6	80.3	81.0	82.3	84.4	85.2	86.5	88.4	88.5	89.4	90.4	91.8	92.8
GE 900	71.8	72.8	76.7	79.2	82.0	82.6	84.0	86.0	86.9	88.1	90.0	90.2	91.0	92.1	93.4	94.5
GE 800	72.3	73.3	77.3	79.8	82.6	83.2	84.6	86.6	87.5	88.8	90.7	90.8	91.7	92.7	94.1	95.1
GE 700	73.0	74.0	78.1	80.6	83.4	84.0	85.4	87.4	88.3	89.5	91.4	91.6	92.4	93.4	94.8	95.8
GE 600	73.0	74.0	78.1	80.6	83.4	84.2	85.8	87.8	88.7	90.0	91.9	92.1	92.9	93.9	95.7	96.7
GE 500	73.1	74.1	78.2	80.7	83.5	84.4	85.9	87.9	88.8	90.2	92.4	92.6	93.4	94.5	96.2	97.2
GE 400	73.8	74.8	78.8	81.3	84.1	85.0	86.5	88.5	89.4	90.8	93.1	93.2	94.1	95.1	96.8	97.9
GE 300	74.0	75.0	79.1	81.6	84.4	85.2	86.8	88.8	89.7	91.0	93.3	93.4	94.3	95.6	97.6	98.6
GE 200	74.0	75.0	79.1	81.6	84.4	85.2	86.8	88.9	89.8	91.2	93.4	93.6	94.6	95.8	98.0	99.1
GE 100	74.0	75.0	79.1	81.6	84.4	85.2	86.8	88.9	89.8	91.2	93.4	93.6	94.6	95.8	98.2	99.5
GE 000	74.0	75.0	79.1	81.6	84.4	85.2	86.8	88.9	89.8	91.2	93.4	93.6	94.6	95.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 793

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.6	43.8	44.7	45.0	47.4	48.1	48.8	48.8	49.6	51.1	51.9	51.9	52.6	52.8	54.0	54.5
GE 20000	45.7	45.9	46.9	47.3	49.7	50.3	51.1	51.1	51.8	53.3	54.2	54.2	54.8	55.1	56.2	56.7
GE 18000	46.0	46.3	47.3	47.7	50.1	50.7	51.4	51.4	52.3	53.8	54.7	54.7	55.3	55.6	56.7	57.2
GE 16000	46.0	46.3	47.4	47.8	50.2	50.8	51.6	51.6	52.5	54.0	54.8	54.8	55.5	55.7	56.9	57.4
GE 14000	46.4	46.7	47.9	48.3	50.7	51.3	52.1	52.1	53.0	54.5	55.7	55.7	56.4	56.6	57.7	58.2
GE 12000	48.8	49.1	50.6	50.9	53.3	54.0	54.7	54.7	55.6	57.1	58.4	58.4	59.0	59.2	60.4	60.9
GE 10000	52.1	52.3	54.3	55.0	57.6	58.2	59.0	59.0	60.1	61.8	63.0	63.0	63.6	63.9	65.3	65.8
GE 9000	52.8	53.1	55.1	55.8	58.9	59.5	60.4	60.4	61.5	63.1	64.4	64.4	65.0	65.3	66.7	67.2
GE 8000	55.1	55.3	57.4	58.1	61.1	61.8	62.6	62.6	63.8	65.4	66.7	66.7	67.3	67.5	68.9	69.4
GE 7000	56.5	56.9	58.9	59.7	63.0	63.6	64.5	64.5	65.7	67.3	68.6	68.6	69.2	69.4	70.8	71.3
GE 6000	57.1	57.5	59.5	60.4	63.6	64.3	65.2	65.2	66.3	67.9	69.2	69.2	69.8	70.1	71.4	71.9
GE 5000	57.1	57.5	59.5	60.5	63.8	64.4	65.3	65.3	66.7	68.4	69.7	69.7	70.4	70.7	72.1	72.6
GE 4500	57.5	57.9	59.9	60.9	64.2	64.8	65.7	65.7	67.0	68.8	70.1	70.1	70.8	71.1	72.5	73.0
GE 4000	59.1	59.5	61.5	62.5	65.9	66.5	67.4	67.4	68.8	70.6	71.8	71.8	72.6	72.8	74.6	75.1
GE 3500	60.1	60.6	63.4	64.7	68.6	69.2	70.1	70.4	71.8	73.6	75.0	75.0	75.7	76.0	77.7	78.5
GE 3000	60.9	61.5	64.3	65.5	69.4	70.1	70.9	71.7	73.1	74.8	76.4	76.4	77.7	78.0	79.7	80.5
GE 2500	62.1	62.8	65.7	66.9	71.2	71.8	72.7	73.5	74.8	76.7	78.2	78.2	79.7	80.0	81.8	82.5
GE 2000	63.4	64.0	66.9	68.2	72.6	73.2	74.1	74.8	76.2	78.1	79.6	79.6	81.4	81.8	83.8	84.5
GE 1800	63.9	64.5	67.4	68.7	73.1	73.7	74.6	75.3	76.7	78.6	80.1	80.1	81.9	82.3	84.3	85.0
GE 1500	65.7	66.3	69.2	70.4	75.0	75.6	76.6	77.4	78.7	80.6	82.5	82.5	84.3	84.7	86.7	87.4
GE 1200	66.7	67.3	70.4	71.7	76.5	77.1	78.1	78.9	80.4	82.6	84.7	84.7	86.4	86.8	88.8	89.6
GE 1000	68.8	69.6	73.2	74.6	79.9	80.5	81.5	82.3	83.8	86.4	88.6	88.6	90.6	90.9	93.0	93.7
GE 900	70.4	71.2	74.8	76.2	81.5	82.1	83.1	83.9	85.4	88.1	90.2	90.2	92.2	92.6	94.6	95.3
GE 800	70.6	71.3	75.0	76.4	81.6	82.3	83.3	84.0	85.5	88.2	90.3	90.3	92.3	92.7	95.0	95.7
GE 700	71.1	71.8	75.5	76.9	82.3	82.9	83.9	84.7	86.2	88.8	90.9	90.9	93.0	93.3	95.6	96.4
GE 600	71.1	71.8	75.7	77.1	82.5	83.3	84.3	85.0	86.5	89.2	91.3	91.3	93.3	93.7	96.0	96.7
GE 500	71.4	72.2	76.1	77.5	82.9	83.6	84.7	85.4	86.9	89.6	91.9	91.9	94.0	94.3	96.6	97.4
GE 400	71.9	72.7	76.6	78.0	83.4	84.2	85.2	85.9	87.4	90.1	92.5	92.5	94.6	95.0	97.2	98.0
GE 300	71.9	72.7	76.6	78.0	83.4	84.3	85.3	86.0	87.5	90.2	92.6	92.6	94.8	95.2	97.9	98.6
GE 200	71.9	72.7	76.7	78.1	83.5	84.4	85.4	86.2	87.7	90.3	92.8	92.8	95.1	95.5	98.4	99.1
GE 100	71.9	72.7	76.7	78.1	83.5	84.4	85.4	86.2	87.7	90.3	92.8	92.8	95.1	95.5	98.5	99.2
GE 000	71.9	72.7	76.7	78.1	83.5	84.4	85.4	86.2	87.7	90.3	92.8	92.8	95.1	95.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 795



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	47.7	48.6	49.2	50.4	50.7	51.3	52.0	52.3	53.0	53.6	53.6	54.1	54.1	54.8	55.1
GE 20000	49.4	49.7	50.7	51.3	52.7	53.0	53.5	54.3	54.6	55.3	56.0	56.0	56.5	56.6	57.3	57.6
GE 18000	49.8	50.2	51.1	51.7	53.2	53.5	54.1	55.0	55.4	56.1	56.8	56.8	57.3	57.4	58.2	58.5
GE 16000	50.0	50.3	51.3	51.9	53.4	53.7	54.3	55.3	55.6	56.3	57.0	57.1	57.5	57.6	58.4	58.8
GE 14000	50.2	50.6	51.6	52.2	53.7	54.0	54.6	55.6	55.9	56.6	57.3	57.4	57.9	58.0	58.8	59.2
GE 12000	51.3	51.7	52.8	53.5	54.9	55.2	55.8	56.8	57.1	57.9	58.6	58.6	59.1	59.3	60.0	60.5
GE 10000	53.8	54.3	55.5	56.2	57.8	58.1	58.7	59.8	60.2	61.0	61.7	61.8	62.3	62.4	63.4	63.8
GE 9000	55.4	55.9	57.3	58.0	59.8	60.1	60.8	61.9	62.4	63.2	64.0	64.0	64.6	64.7	65.6	66.1
GE 8000	58.1	58.6	60.2	61.0	62.8	63.2	63.9	65.1	65.6	66.7	67.5	67.5	68.0	68.2	69.1	69.6
GE 7000	60.1	60.6	62.3	63.1	65.0	65.4	66.3	67.4	67.9	69.0	69.8	69.9	70.4	70.6	71.5	72.1
GE 6000	60.6	61.2	62.8	63.6	65.6	66.0	66.9	68.1	68.6	69.8	70.6	70.7	71.2	71.4	72.3	72.8
GE 5000	61.0	61.6	63.3	64.2	66.3	66.7	67.6	68.9	69.4	70.7	71.5	71.5	72.1	72.3	73.2	73.8
GE 4500	61.2	61.9	63.7	64.6	66.7	67.1	68.0	69.3	69.9	71.2	72.0	72.1	72.7	72.8	73.8	74.3
GE 4000	62.0	62.8	64.7	65.8	67.9	68.4	69.3	70.6	71.2	72.6	73.5	73.5	74.2	74.3	75.4	75.9
GE 3500	63.0	63.8	66.1	67.3	69.6	70.0	71.0	72.5	73.1	74.5	75.4	75.5	76.1	76.3	77.5	78.0
GE 3000	63.5	64.5	66.8	68.0	70.5	71.0	72.0	73.6	74.2	75.7	76.6	76.7	77.7	77.8	79.1	79.6
GE 2500	64.3	65.3	67.8	69.1	71.7	72.2	73.2	74.8	75.4	76.9	77.9	77.9	78.9	79.1	80.3	80.9
GE 2000	65.2	66.3	68.9	70.2	72.9	73.4	74.6	76.3	77.0	78.4	79.4	79.5	80.6	80.8	82.1	82.7
GE 1800	65.6	66.8	69.4	70.8	73.6	74.1	75.3	77.0	77.7	79.1	80.2	80.2	81.3	81.5	82.8	83.4
GE 1500	67.3	68.6	71.4	72.9	75.8	76.4	77.7	79.7	80.5	82.1	83.2	83.2	84.4	84.6	85.9	86.5
GE 1200	69.1	70.6	73.6	75.3	78.5	79.1	80.5	82.8	83.8	85.6	86.8	86.8	88.0	88.2	89.5	90.1
GE 1000	70.8	72.3	75.7	77.5	81.0	81.7	83.2	85.8	86.7	88.7	90.1	90.2	91.4	91.6	92.9	93.6
GE 900	71.7	73.2	76.6	78.5	82.1	82.7	84.3	86.9	87.9	89.9	91.3	91.4	92.6	92.8	94.1	94.8
GE 800	71.9	73.5	76.9	78.9	82.6	83.2	84.8	87.6	88.5	90.6	92.0	92.0	93.3	93.5	94.8	95.5
GE 700	72.4	74.0	77.5	79.5	83.2	83.9	85.5	88.3	89.3	91.4	92.8	92.9	94.1	94.3	95.6	96.3
GE 600	72.8	74.5	78.1	80.2	84.0	84.7	86.4	89.4	90.4	92.5	94.1	94.2	95.5	95.7	97.1	97.8
GE 500	73.2	74.8	78.5	80.6	84.4	85.1	86.8	89.8	90.8	92.9	94.7	94.7	96.0	96.2	97.6	98.3
GE 400	73.4	75.1	78.8	80.9	84.7	85.5	87.1	90.1	91.1	93.2	95.0	95.1	96.4	96.6	98.0	98.7
GE 300	73.5	75.1	78.9	81.0	84.8	85.6	87.3	90.3	91.3	93.4	95.2	95.2	96.5	96.8	98.4	99.1
GE 200	73.5	75.1	78.9	81.0	84.9	85.6	87.3	90.3	91.3	93.5	95.3	95.3	96.7	96.9	98.5	99.3
GE 100	73.5	75.2	78.9	81.1	84.9	85.6	87.3	90.4	91.4	93.5	95.3	95.4	96.7	97.0	98.7	99.5
GE 000	73.5	75.2	78.9	81.1	84.9	85.6	87.3	90.4	91.4	93.5	95.3	95.4	96.7	97.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7001

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 38  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.4	38.9	39.7	40.2	41.2	41.3	41.8	42.2	42.4	42.9	43.4	43.5	43.9	44.0	44.5	44.9
GE 20000	40.2	40.7	41.5	42.1	43.1	43.3	43.8	44.3	44.5	45.0	45.6	45.6	46.2	46.3	46.9	47.3
GE 18000	40.7	41.2	42.0	42.6	43.7	43.9	44.4	44.9	45.1	45.6	46.2	46.3	46.8	46.9	47.5	47.9
GE 16000	40.9	41.4	42.2	42.8	43.9	44.1	44.6	45.1	45.3	45.8	46.4	46.5	47.0	47.1	47.7	48.2
GE 14000	41.2	41.7	42.6	43.2	44.3	44.5	45.0	45.5	45.7	46.2	46.8	46.9	47.4	47.5	48.1	48.6
GE 12000	42.2	42.7	43.6	44.3	45.3	45.6	46.0	46.6	46.8	47.3	47.9	48.0	48.5	48.7	49.2	49.7
GE 10000	44.3	44.9	45.9	46.5	47.7	47.9	48.5	49.1	49.3	49.9	50.5	50.6	51.1	51.3	51.9	52.4
GE 9000	45.8	46.4	47.4	48.1	49.3	49.5	50.1	50.8	51.0	51.6	52.2	52.3	52.9	53.0	53.6	54.2
GE 8000	48.4	49.0	50.1	50.9	52.2	52.4	53.0	53.8	54.0	54.6	55.3	55.4	56.0	56.1	56.8	57.3
GE 7000	50.4	51.1	52.2	53.0	54.4	54.7	55.3	56.0	56.3	57.0	57.6	57.7	58.3	58.5	59.1	59.7
GE 6000	51.1	51.8	53.0	53.7	55.1	55.4	56.1	56.8	57.1	57.7	58.5	58.5	59.1	59.3	60.0	60.6
GE 5000	51.9	52.6	53.9	54.7	56.1	56.4	57.1	57.8	58.1	58.8	59.5	59.6	60.2	60.4	61.1	61.7
GE 4500	52.2	53.0	54.3	55.1	56.5	56.9	57.5	58.3	58.6	59.3	60.0	60.1	60.7	60.9	61.6	62.2
GE 4000	53.3	54.1	55.5	56.4	57.9	58.2	58.9	59.7	60.0	60.8	61.5	61.6	62.2	62.4	63.1	63.8
GE 3500	54.1	54.9	56.4	57.3	59.0	59.3	60.1	60.9	61.2	61.9	62.7	62.7	63.4	63.6	64.4	65.0
GE 3000	54.9	55.7	57.3	58.4	60.1	60.5	61.3	62.1	62.4	63.2	64.0	64.1	64.8	65.0	65.8	66.4
GE 2500	55.9	56.8	58.5	59.6	61.5	61.9	62.8	63.7	64.0	64.9	65.7	65.7	66.5	66.7	67.4	68.1
GE 2000	57.1	58.1	60.0	61.2	63.2	63.6	64.6	65.6	65.9	66.8	67.7	67.7	68.5	68.7	69.5	70.2
GE 1800	57.6	58.6	60.5	61.7	63.7	64.2	65.2	66.2	66.5	67.4	68.3	68.3	69.1	69.3	70.1	70.8
GE 1500	59.2	60.3	62.3	63.6	65.8	66.4	67.5	68.6	69.0	70.1	71.1	71.1	72.0	72.2	73.1	73.8
GE 1200	61.4	62.7	65.0	66.5	69.0	69.6	70.9	72.2	72.7	73.9	74.9	75.0	75.9	76.2	77.1	77.9
GE 1000	63.4	64.7	67.4	69.0	71.7	72.4	73.8	75.3	75.8	77.1	78.2	78.3	79.3	79.6	80.5	81.3
GE 900	64.2	65.6	68.3	70.0	72.8	73.5	75.0	76.5	77.0	78.3	79.5	79.5	80.6	80.8	81.8	82.6
GE 800	65.3	66.8	69.6	71.4	74.4	75.1	76.7	78.2	78.8	80.2	81.4	81.4	82.5	82.7	83.7	84.6
GE 700	66.3	67.9	70.8	72.7	75.8	76.6	78.2	79.8	80.4	81.8	83.1	83.1	84.2	84.5	85.5	86.3
GE 600	67.4	69.0	72.0	74.0	77.4	78.2	79.9	81.7	82.3	83.8	85.1	85.2	86.4	86.6	87.7	88.6
GE 500	68.3	70.0	73.3	75.4	78.9	79.7	81.6	83.4	84.1	85.7	87.1	87.2	88.5	88.8	89.9	90.9
GE 400	69.0	70.8	74.2	76.5	80.1	81.0	83.1	85.1	85.8	87.6	89.3	89.3	90.7	91.1	92.4	93.4
GE 300	69.3	71.1	74.6	77.0	80.8	81.8	84.0	86.2	87.0	89.0	91.0	91.1	92.9	93.4	95.0	96.2
GE 200	69.3	71.2	74.7	77.1	81.0	81.9	84.2	86.6	87.4	89.5	91.7	91.9	93.9	94.5	96.7	98.2
GE 100	69.3	71.2	74.7	77.1	81.0	82.0	84.2	86.6	87.4	89.6	91.8	91.9	94.1	94.8	97.4	99.6
GE 000	69.3	71.2	74.7	77.1	81.0	82.0	84.2	86.6	87.4	89.6	91.8	91.9	94.1	94.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 83652

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: GARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	38.5	16.4	11.5	31.4	2.3	45.2	2.4	879
03-05	37.8	14.9	13.0	32.4	2.0	47.3	2.3	902
06-08	36.6	16.2	11.8	33.0	2.5	47.3	2.5	897
09-11	29.7	18.1	11.9	38.1	2.2	52.2	2.2	896
12-14	24.0	21.0	13.8	39.1	2.2	55.0	2.0	880
15-17	22.9	22.3	14.7	38.2	1.9	54.8	2.4	883
18-20	25.8	22.2	11.9	38.7	1.3	51.9	2.9	747
21-23	29.6	20.1	12.5	35.1	2.7	50.3	3.2	746
ALL HOURS	30.7	18.8	12.7	35.7	2.1	50.5	2.5	6830

MONTH: FEB HOURS: ALL

00-02	41.7	15.4	10.6	29.7	2.6	42.9	1.7	804
03-05	40.1	18.9	9.2	29.4	2.4	41.0	1.8	836
06-08	36.8	17.1	11.3	32.8	1.9	46.1	1.9	825
09-11	24.1	20.2	14.9	39.0	1.8	55.7	1.7	833
12-14	25.0	17.4	18.5	37.2	2.1	57.7	1.7	829
15-17	24.5	18.2	17.6	37.8	1.8	57.3	2.4	833
18-20	26.7	21.0	15.5	35.2	1.7	52.3	2.0	711
21-23	35.2	21.1	12.9	28.2	2.6	43.7	1.3	698
ALL HOURS	31.7	18.6	13.8	33.8	2.1	49.7	1.8	6369

D - 3 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	49.4	14.1	9.4	25.2	1.9	36.5	2.5	881
03-05	46.6	12.8	10.0	28.8	1.8	40.6	2.7	921
06-08	38.2	15.5	10.0	34.7	1.6	46.3	2.4	920
09-11	38.8	15.0	10.6	34.6	1.0	46.2	3.0	914
12-14	37.1	16.7	14.1	31.0	1.1	46.2	3.1	916
15-17	35.8	18.6	14.9	29.4	1.2	45.6	2.7	917
18-20	36.7	18.8	13.7	29.7	1.1	44.5	2.9	825
21-23	43.6	19.0	11.6	24.0	1.9	37.5	1.6	801
ALL HOURS	40.7	16.3	11.8	29.8	1.5	43.0	2.6	7095

MONTH: APR HOURS: ALL

00-02	29.7	26.6	12.3	30.3	1.2	43.7	.6	856
03-05	26.5	20.4	14.7	37.2	1.1	53.0	1.5	890
06-08	25.4	15.7	12.3	45.6	.9	58.9	1.4	883
09-11	26.0	16.7	12.6	43.8	.9	57.3	1.6	888
12-14	25.2	17.6	16.4	40.8		57.2	1.0	880
15-17	24.7	20.9	16.6	37.7	.1	54.4	1.1	879
18-20	24.5	22.5	13.5	39.2	.4	53.0	1.4	830
21-23	24.2	27.5	12.3	35.5	.5	48.3	1.1	805
ALL HOURS	25.8	20.9	13.9	38.8	.6	53.3	1.2	6911

D - 3 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	10.2	12.7	9.3	61.4	6.3	77.1	1.3	902
03-05	10.7	10.9	9.8	62.6	6.1	78.4	1.1	908
06-08	12.9	6.1	9.8	65.9	5.3	81.0	.2	899
09-11	12.5	7.7	12.2	64.4	3.2	79.8	.8	905
12-14	12.4	11.7	13.4	61.0	1.5	75.9	.4	896
15-17	13.0	11.8	12.4	61.8	.9	75.1	1.0	912
18-20	13.2	11.1	10.6	62.6	2.6	75.7	.6	900
21-23	12.5	11.5	9.9	61.2	4.9	75.9	.9	902
ALL HOURS	12.2	10.5	10.9	62.6	3.8	77.4	.8	7224

MONTH: JUN HOURS: ALL

00-02	9.8	15.6	18.8	47.2	8.7	74.6	1.8	867
03-05	10.4	15.4	15.6	50.8	7.9	74.2	1.8	866
06-08	9.1	15.3	14.8	54.2	6.6	75.5	2.1	867
09-11	11.5	15.8	15.2	53.9	3.7	72.7	1.1	876
12-14	11.0	17.9	20.5	48.9	1.7	71.2	.8	867
15-17	10.7	20.4	21.7	44.3	2.9	68.9	.6	882
18-20	10.9	19.8	21.1	43.9	4.4	69.3	.6	873
21-23	13.0	15.3	20.3	45.4	6.0	71.8	1.8	878
ALL HOURS	10.8	16.9	18.5	48.6	5.2	72.3	1.3	6976

D - 3 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	8.3	16.7	18.1	44.6	12.3	75.0	1.8	905
03-05	6.2	11.9	18.3	50.2	13.4	81.8	2.3	913
06-08	5.9	11.9	14.7	56.1	11.4	82.2	2.4	916
09-11	7.0	16.6	19.2	50.4	6.9	76.4	3.9	917
12-14	8.6	18.4	23.6	44.4	5.1	73.0	3.5	908
15-17	9.4	22.5	23.0	39.6	5.5	68.2	1.5	908
18-20	10.1	19.4	20.1	43.6	6.9	70.6	.8	904
21-23	8.4	18.2	18.8	47.2	7.4	73.4	.9	917
ALL HOURS	8.0	16.9	19.5	47.0	8.6	75.1	2.1	7288

MONTH: AUG HOURS: ALL

00-02	5.3	8.8	15.2	61.9	8.8	85.9	2.7	922
03-05	4.3	9.4	13.4	64.3	8.5	86.3	2.1	925
06-08	3.2	8.6	14.0	65.1	9.1	88.3	1.9	912
09-11	2.8	9.6	16.5	62.9	8.2	87.6	2.3	920
12-14	2.8	11.5	16.7	61.7	7.4	85.7	1.8	905
15-17	3.7	13.5	19.7	56.0	7.1	82.8	1.9	918
18-20	4.6	12.2	18.7	57.5	7.0	83.3	1.6	854
21-23	5.3	10.5	15.7	60.9	7.7	84.2	1.9	856
ALL HOURS	4.0	10.5	16.2	61.3	8.0	85.5	2.0	7212

D - 3 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	7.1	13.0	11.4	59.5	9.0	79.9	1.0	889
03-05	5.9	11.8	13.9	61.1	7.3	82.3	1.6	891
06-08	4.6	9.6	13.3	64.6	7.8	85.8	1.8	885
09-11	5.6	8.4	16.2	63.3	6.5	86.0	2.1	890
12-14	4.6	9.8	18.0	63.0	4.6	85.6	1.7	888
15-17	4.0	10.4	19.0	62.5	4.1	85.6	1.3	896
18-20	3.9	9.7	14.5	67.4	4.5	86.4	1.2	868
21-23	5.3	8.3	14.6	65.5	6.3	86.4	1.3	869
ALL HOURS	5.1	10.1	15.1	63.3	6.3	84.7	1.5	7076

MONTH: OCT HOURS: ALL

00-02	12.1	7.9	8.9	68.9	2.2	80.0	.9	911
03-05	11.1	9.5	7.4	69.7	2.3	79.4	1.4	917
06-08	8.8	8.5	11.1	69.3	2.2	82.6	1.1	916
09-11	5.6	10.9	13.3	68.0	2.2	83.5	1.3	915
12-14	6.4	12.9	12.5	66.5	1.6	80.7	1.3	917
15-17	6.2	10.9	10.2	70.2	2.5	82.8	1.5	915
18-20	9.6	10.6	11.0	66.5	2.4	79.8	.6	794
21-23	12.4	9.8	10.2	65.7	2.0	77.8	.6	798
ALL HOURS	9.0	10.1	10.6	68.2	2.2	80.9	1.1	7083

D - 3 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	28.9	14.5	8.9	46.7	1.1	56.7	1.8	842
03-05	29.7	14.9	8.3	45.0	2.2	55.5	1.0	860
06-08	29.5	15.5	10.1	43.4	1.5	55.1	1.4	859
09-11	21.2	15.4	11.4	51.4	.7	63.5	1.1	879
12-14	19.0	16.9	14.9	47.6	1.6	64.1	1.2	864
15-17	19.0	18.2	12.8	47.4	2.5	62.7	1.4	877
18-20	26.0	15.3	10.5	46.5	1.7	58.7	.9	809
21-23	29.1	13.2	9.2	47.4	1.1	57.7	2.0	818
ALL HOURS	25.2	15.5	10.8	46.9	1.6	59.3	1.3	6808

MONTH: DEC HOURS: ALL

00-02	34.9	15.4	9.6	38.9	1.1	49.7	2.5	894
03-05	36.4	13.4	9.3	40.3	.7	50.2	2.5	916
06-08	35.8	12.8	11.0	39.6	.8	51.4	2.0	913
09-11	28.5	19.5	10.9	39.9	1.2	52.0	1.5	915
12-14	23.2	19.1	14.6	42.4	.7	57.6	1.7	904
15-17	25.6	16.2	15.9	40.7	1.6	58.2	1.5	910
18-20	30.0	17.5	11.6	39.0	1.9	52.5	1.9	794
21-23	32.3	14.2	12.2	39.7	1.5	53.5	2.9	795
ALL HOURS	30.8	16.0	11.9	40.1	1.2	53.1	2.0	7041

D - 3 - 6



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	22.7	14.7	12.0	45.8	4.8	62.7	1.8	10552
03-05	22.0	13.6	11.9	47.8	4.7	64.3	1.9	10745
06-08	20.5	12.7	12.0	50.5	4.3	66.9	1.7	10692
09-11	17.7	14.4	13.7	50.9	3.2	67.8	1.9	10748
12-14	16.5	15.9	16.4	48.7	2.5	67.6	1.7	10654
15-17	16.6	17.0	16.5	47.3	2.7	66.5	1.6	10730
18-20	18.1	16.6	14.5	47.8	3.1	65.4	1.4	9909
21-23	20.2	15.5	13.4	46.9	3.8	64.2	1.6	9883
ALL HOURS	19.3	15.0	13.8	48.2	3.6	65.7	1.7	83913



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEEE
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

E - 1 - 1

## PART E

### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

#### TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

#### MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

#### DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FRM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 75							.2						.0
GE 70							.6	.2					.1
GE 65						.3	2.0	.7	.2				.3
GE 60						1.3	6.6	3.8	.4				1.0
GE 55						2.8	14.7	10.6	1.0				2.5
GE 50					.2	5.3	26.9	22.7	2.9				4.9
GE 45					.8	13.3	44.7	41.8	9.7	.2			9.3
GE 40				.4	3.6	31.6	72.6	65.4	21.3	1.0			16.5
GE 35	.4	.1	.1	1.6	13.3	75.5	97.3	90.8	48.7	4.1	.3	.2	28.0
GE 33	.7	.4	.2	2.5	21.5	89.8	99.9	96.9	66.0	6.2	.9	.3	32.4
GE 30	1.5	.9	.5	5.0	37.2	97.2	100.0	99.8	85.5	15.2	2.1	.7	37.4
GE 25	3.4	1.4	1.2	9.3	61.8	99.6		100.0	96.8	38.8	5.7	2.3	43.6
GE 20	6.4	2.7	2.5	16.7	78.5	100.0			99.2	62.1	14.8	5.4	49.3
GE 15	10.4	5.2	4.7	25.4	91.6				100.0	75.4	26.4	9.1	54.3
GE 10	15.3	8.7	8.3	37.3	97.7					84.2	38.3	15.5	59.1
GE 5	22.4	13.7	13.5	53.4	99.7					91.0	53.3	23.2	64.4
GE 0	31.8	19.8	23.1	68.4	100.0					95.7	65.5	33.8	70.1
GE -5	42.3	28.7	36.5	83.4						98.6	77.9	48.6	76.5
GE -10	53.2	38.4	53.5	92.3						99.6	87.2	63.2	82.5
GE -15	66.3	50.8	70.1	98.0						100.0	94.0	74.3	87.9
GE -20	77.9	61.0	83.9	99.5							97.4	85.0	92.2
GE -25	87.8	72.7	93.1	100.0							99.5	91.8	95.5
GE -30	94.4	85.2	98.2								100.0	96.7	97.9
GE -35	97.9	93.3	99.6									99.3	99.2
GE -40	99.2	98.1	100.0									100.0	99.8
GE -45	99.8	99.7											100.0
GE -50	100.0	99.9											100.0
GE -55		100.0											100.0
MEAN	-7.6	-14.0	-8.5	6.5	26.2	38.3	45.3	43.8	35.4	20.3	5.1	-5.7	15.6
SD	15.91	15.94	12.24	12.42	7.94	6.14	7.95	7.75	6.66	10.07	13.02	14.26	23.97
TOTAL OBS	1212	1128	1240	1200	1239	1200	1240	1218	1170	1210	1170	1209	14436

E - 2 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AN
GE 45							1.7	.9					
GE 40						.3	11.9	12.9	.7				2.
GE 35						8.6	48.2	46.9	8.5				9.
GE 33					.3	24.9	71.0	65.2	17.4				15.
GE 30				.2	3.6	65.2	93.5	88.6	43.8	.9			24.
GE 25	.2	.1		.6	19.0	94.0	99.8	99.4	78.3	9.8	.2		33.
GE 20	.2	.2		2.2	40.7	98.4	100.0	100.0	90.4	25.4	1.7	.2	38.
GE 15	.9	.4	.2	4.6	60.4	99.8			96.6	42.4	5.8	.6	42.
GE 10	2.3	1.1	.5	9.6	75.1	100.0			99.2	57.3	12.3	1.9	46.
GE 5	5.1	2.7	1.8	15.9	84.7				99.8	69.7	21.8	4.5	50.
GE 0	9.2	5.1	4.1	24.3	92.0				100.0	79.6	34.7	10.6	55.
GE -5	16.9	10.0	7.7	36.6	97.3					87.6	48.3	18.8	60.
GE -10	25.3	14.3	14.4	50.1	99.0					94.7	59.9	30.2	65.
GE -15	35.4	22.8	26.9	63.9	99.9					97.7	72.2	42.0	72.
GE -20	47.8	31.9	41.8	77.3	100.0					99.6	82.9	54.5	78.
GE -25	62.1	42.8	59.3	88.6						99.9	91.0	67.7	84.
GE -30	73.0	56.1	75.4	95.8						100.0	96.7	79.1	89.
GE -35	84.1	69.8	87.8	99.3							99.1	89.6	94.
GE -40	92.3	82.8	95.9	99.8							99.8	95.6	97.
GE -45	97.9	93.4	98.7	100.0							100.0	99.1	99.
GE -50	99.5	98.3	99.9									99.9	99.
GE -55	100.0	99.6	100.0									100.0	100.
GE -60		100.0											100.
MEAN	-20.4	-26.4	-22.3	-9.5	15.5	30.3	34.8	34.4	27.9	10.1	-6.7	-18.3	4.
SD	14.38	14.29	11.43	13.32	9.78	3.67	3.85	4.28	5.76	11.81	13.50	13.53	25.30
TOTAL OBS	1239	1128	1240	1200	1239	1200	1240	1240	1200	1240	1200	1237	1460

E - 2 - 2

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 60							.1						.0
GE 55							1.1	.4					.1
GE 50						.8	7.4	5.3	.3				1.2
GE 45						3.5	22.6	19.3	1.6				4.0
GE 40					.2	11.9	50.0	47.1	8.6				10.0
GE 35				.3	2.7	43.8	86.6	78.8	29.1	.5			20.4
GE 33	.1			.3	6.1	68.8	96.1	90.1	45.9	1.7			26.0
GE 30	.2			.8	14.7	90.8	99.8	98.2	71.1	5.2	.1		32.0
GE 25	.4	.3	.1	2.5	39.2	98.4	100.0	100.0	90.6	20.2	1.9	.2	38.0
GE 20	1.7	.9	.2	6.1	62.3	99.9			97.2	42.5	5.0	.9	43.3
GE 15	3.4	1.5	1.2	12.9	76.9	100.0			99.7	60.2	12.8	2.7	47.9
GE 10	7.3	2.7	2.8	20.1	88.9				100.0	72.7	23.3	6.7	52.4
GE 5	12.0	6.8	5.8	30.5	95.9					83.1	37.8	13.5	57.4
GE 0	18.9	11.1	10.0	43.3	99.3					90.2	50.3	20.3	62.2
GE -5	27.6	16.3	18.1	58.0	99.9					95.4	63.3	31.3	67.7
GE -10	39.2	25.2	31.1	73.9	100.0					98.7	74.4	44.4	74.1
GE -15	50.6	35.2	45.4	86.4						99.7	85.0	59.1	80.3
GE -20	64.3	46.0	65.3	94.5						100.0	93.2	71.7	86.4
GE -25	75.4	57.7	79.6	99.1							97.5	83.0	91.2
GE -30	86.3	71.0	91.7	99.7							99.2	90.6	95.0
GE -35	93.9	83.8	96.8	100.0							99.9	96.7	97.7
GE -40	97.9	94.3	99.4								100.0	99.4	99.3
GE -45	99.5	98.6	100.0									99.9	99.8
GE -50	99.8	99.8										100.0	100.0
GE -55	100.0	100.0											100.0
.....													
MEAN	-14.1	-20.4	-15.6	-1.6	21.1	34.5	40.3	39.4	31.9	15.4	-.7	-12.0	10.0
SD	14.87	14.90	11.59	12.68	8.50	4.57	5.51	5.63	5.72	10.61	13.08	13.67	24.65
.....													
TOTAL OBS	1212	1128	1240	1200	1239	1200	1240	1218	1170	1210	1170	1209	14436
.....													



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	30	19	31	19	36	38	63	62	49	35	24	17	63
50	28	18	14	28	38	60	54	60	64	35	37	22	64
51	6	21	-3	35	34	60	62	62	46	40	34	30	62
52	16	-1	4	30	33	39	65	62	37	38	29	5	65
53	8	4	2	27	38	61	71	62	41	30	24	0	71
54	22	1	30	34	36	47	59	61	55	35	27	3	61
55	14	13	7	25	44	50	61	43*	*	15*	*	*	61*
56	7*	0	17	34	36	54	68	55	54	34	13	24	68*
57	37	34	15	34	38	63	66	72	61	42	18	10	72
58	4	8	28	43	44	53	65	57	56	31	25	18	65
59	25	30	-5	17	37	48	63	60	44	43	18	4	63
60	-4	28	26	27	36	55	68	67	41	41	17	26	68
61	26	-3	-2	26	48	67	66	62	47	39	22	24	67
62	39	34	33	34	37	60	66	64	49	32	27	27	66
63	36	9	17	32	45	54	61	66	47	36	22	35	66
64	1	6	13	15	52	52	64	54	49	39	28	23	64
65	5	-13	28	35	42	46	50	57	59	27	33	24	59
66	24	5	12	24	36	58	62	57	54	34	35	24	62
67	26	19	36	40	42	55	75	66	35	40	35	27	75
68	31	1	17	16	48	54	64	64	48	31	23	29	64
69	21	17	21	32	37	46	74	52	48	46	18	13	74
70	14	25	15	23	42	58	60	62	50	36	30	26	62
71	17	-11	10	19	45	56	65	61	43	29	22	28	65
72	22	24	6	20	36	45	59	54	47	38	22	33	59
73	33	23	6	16	42	55	67	61	55	38	29	37	67
74	39	-4	-1	10	32	44	78	65	55	24	32	-4	78
75	1	19	15	32	36	63	68	64	49	33	21	5	68
76	10	18	20	31	37	68	71	58	49	32	26	0	71
77	17	10	-6	30	35	48	60	57	54	45	15	31	60
78	18	20	7	32	39	51	66	59	54	27	32	20	66
79	21	8	9	37	38	68	68	59	48	32	34	18	68
80	23	33	10	24	32	57	52	59	51	35	21	16	59

E - 3 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	27	18	17	35	40	47	59	57	39	29	22	18	59
82	15	37	18	35	47	60	64	65	51	35	5	15	65
83	6	10	4	38	38	50	49	58	49	35	23	32	58
84	19	-14	10	20	44	47	58	63	49	32	9	22	63
85	20	17	18	22	47	62	71	58	59	37	30	25	71
86	0	22	8	21	44	58	57	60	66	30	20	22	66
87	20	17	16	21	40	46	68	58	45	36	18	29	68
88	24	22	34	43	37	66	60	60	51	29	16	27	66
.....													
GREATEST	39	37	36	43	52	68	78	72	66	46	37	37	78
.....													
TOTAL OBS	1212	1128	1240	1200	1239	1200	1240	1218	1170	1210	1170	1209	14436
.....													

THE GREATEST VALUE OF 78 OCCURRED ON 07/28/74

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 3 - 1B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	-50	-43	-29	-30	-14	21	26	32	28	5	-33	-35	-50
50	-45	-59	-30	-21	-7	24	31	30	19	-8	-15	-38	-59
51	-47	-46	-38	-21	-3	23	30	33	13	-13	-13	-38	-47
52	-38	-41	-37	-37	-7	25	29	25	16	-6	-21	-34	-41
53	-45	-47	-39	-25	-5	28	27	29	22	-16	-25	-34	-47
54	-43	-45	-30	-32	-7	21	27	34	8	-9	-18	-36	-45
55	-38	-48	-37	-37	-3	24	32	27	10	-14	-36	-43	-48
56	-50	-47	-36	-31	14	20	26	28	13	-11	-33	-43	-50
57	-38	-51	-47	-28	-4	24	31	32	7	-4	-22	-47	-51
58	-49	-47	-39	-31	-9	24	37	35	20	-8	-26	-35	-49
59	-38	-34	-44	-29	-5	18	27	24	16	-10	-27	-42	-44
60	-45	-35	-38	-33	12	23	29	28	17	-8	-30	-40	-45
61	-31	-43	-50	-33	-11	27	28	28	23	-16	-27	-51	-51
62	-51	-33	-42	-27	-7	25	26	31	24	-4	-25	-31	-51
63	-44	-35	-40	-26	13	16	31	30	19	-5	-39	-29	-44
64	-45	-48	-45	-34	-16	24	26	27	17	-18	-24	-43	-48
65	-49	-51	-40	-20	-5	15	28	24	20	-21	-19	-48	-51
66	-42	-47	-42	-34	-4	20	27	28	21	-20	-15	-38	-47
67	-36	-43	-39	-34	4	28	24	26	18	-16	-34	-33	-43
68	-40	-51	-28	-26	5	26	32	31	16	-5	-30	-44	-51
69	-44	-49	-49	-22	10	17	27	25	16	-8	-33	-29	-49
70	-37	-50	-49	-28	0	24	28	28	4	-23	-31	-39	-50
71	-43	-48	-44	-38	-15	27	29	24	12	-19	-27	-41	-48
72	-40	-47	-36	-30	-3	29	29	32	16	0	-21	-36	-47
73	-44	-42	-51	-25	0	28	24	27	13	-9	-20	-26	-51
74	-37	-42	-41	-31	-11	13	27	27	18	-15	-35	-50	-50
75	-54	-47	-30	-27	8	25	28	26	4	-18	-32	-44	-54
76	-49	-46	-34	-28	4	23	27	28	20	-21	-25	-45	-49
77	-38	-48	-42	-33	-1	27	28	30	18	3	-31	-34	-48
78	-21	-44	-35	-32	4	23	32	24	19	-17	-19	-35	-44
79	-38	-43	-47	-32	11	24	34	28	22	6	-18	-38	-47
80	-49	-40	-33	-32	-13	23	30	26	6	0	-23	-37	-49

E - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	-16	-43	-30	-20	10	26	30	27	16	1	-27	-28	-43
82	-31	-42	-38	-27	-4	27	33	30	23	-13	-29	-39	-42
83	-51	-36	-47	-31	-3	28	30	26	6	-26	-22	-39	-51
84	-52	-52	-47	-32	-8	24	29	26	24	-15	-35	-48	-52
85	-27	-53	-32	-35	-5	24	29	27	20	-11	-25	-32	-53
86	-41	-45	-42	-40	-1	20	28	20	13	-9	-44	-43	-45
87	-44	-58	-48	-44	-5	23	34	31	16	1	-29	-32	-58
88	-34	-41	-35	-38	-2	24	29	25	11	-13	-41	-40	-41
.....													
LEAST	-54	-59	-51	-44	-16	13	24	20	4	-26	-44	-51	-59
.....													
TOTAL OBS	1239	1128	1240	1200	1239	1200	1240	1240	1200	1240	1200	1237	14603
.....													

THE LEAST VALUE OF -59 OCCURRED ON 02/12/50

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
49	-12	-21	-4	-10	16	31	38	42	35	23	6	-14	11
50	-6	-34	-9	4	23	36	40	40	34	18	11	-11	13
51	-27	-22	-20	3	21	35	42	44	34	17	11	-9	11
52	-16	-27	-17	-5	17	33	40	38	29	19	13	-10	10
53	-20	-19	-16	4	22	37	41	38	32	17	-1	-17	10
54	-17	-19	-7	-1	19	33	39	43	34	20	5	-16	11
55	-13	-27	-18	-2	20	35	40	36*	*	11*	*	*	7*
56	-9*	-27	-9	2	25	34	42	36	32	14	-11	-13	12*
57	-4	-24	-16	6	21	34	41	46	30	20	-5	-23	11
58	-18	-26	-14	2	22	36	46	45	37	16	4	-6	12
59	-18	-6	-25	-4	21	32	39	36	30	15	-8	-21	8
60	-27	-9	-11	-4	24	34	37	37	30	17	-7	-2	10
61	-11	-26	-21	-10	23	36	41	38	33	12	-5	-19	8
62	-4	-5	-14	0	18	36	40	41	32	21	7	-5	14
63	-11	-14	-16	6	27	34	40	40	32	15	-8	0	12
64	-18	-25	-23	-10	21	33	39	37	31	15	1	-23	7
65	-23	-32	-7	5	20	31	36	37	31	9	8	-13	9
66	-18	-25	-23	-7	19	37	41	37	34	19	7	-11	9
67	-11	-21	-11	4	24	36	41	37	29	11	-2	-9	11
68	-9	-27	-10	-4	24	34	43	41	33	18	-3	-13	11
69	-16	-25	-13	7	24	33	39	34	31	21	-6	-6	10
70	-16	-17	-19	0	20	34	39	41	27	3	-1	-15	8
71	-23	-30	-19	-6	20	37	43	36	31	12	1	-12	8
72	-17	-20	-20	-5	19	34	40	41	31	21	1	-5	10
73	-12	-17	-25	-2	22	34	41	40	35	16	3	-6	11
74	-11	-30	-21	-8	18	31	38	38	31	5	-12	-29	4
75	-28	-19	-8	-3	21	35	39	37	26	10	-12	-21	7
76	-21	-23	-18	3	20	34	39	40	34	12	5	-22	9
77	-10	-17	-26	-4	22	35	38	42	36	23	-4	-7	11
78	-3	-14	-12	1	18	33	41	37	36	9	8	-8	12
79	0	-21	-20	2	25	34	43	43	35	22	12	-14	14
80	-16	-10	-14	-3	17	36	37	40	27	19	3	-16	10

E - 4 - 1A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: +09

PERIOD OF RECORD: 4901-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	5	-17	-8	2	26	35	41	38	30	19	1	-8	14
82	-15	-9	-15	1	22	37	44	39	32	8	-12	-12	10
83	-22	-12	-17	1	15	36	37	39	28	7	-1	-3	9
84	-16	-33	-17	-6	20	35	40	37	32	17	-14	-20	6
85	-9	-22	-12	-10	26	37	41	39	32	11	3	-3	11
86	-17	-10	-20	-5	19	36	40	39	37	15	-6	-9	10
87	-12	-22	-16	-9	21	35	44	44	33	23	-2	-9	11
88	-8	-14	-10	3	22	35	41	39	30	10	-18	-7	10
MEAN	-14.1	-20.4	-15.6	-1.6	21.1	34.5	40.3	39.4	31.9	15.4	-7	-12.0	10.0
TOTAL OBS	1212	1128	1240	1200	1239	1200	1240	1218	1170	1210	1170	129	14436

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 4 - 1B

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF LE 32	OF HOURS GE 65	WITH GE 80	TEMPERATURES GE 93	DEG F	TOTAL HOURS
00-02	-11.3	13.895	877	682	877	0	0	0		877
03-05	-11.1	14.037	899	699	899	0	0	0		899
06-08	-11.0	13.978	897	699	897	0	0	0		897
09-11	-10.7	14.121	895	687	895	0	0	0		895
12-14	-10.7	14.149	875	662	875	0	0	0		875
15-17	-11.3	14.232	883	675	883	0	0	0		883
18-20	-11.4	14.849	745	567	745	0	0	0		745
21-23	-11.6	14.813	745	573	745	0	0	0		745
ALL HOURS	-11.1	14.223	6816	5244	6816	0	0	0		6816

MONTH: FEB

00-02	-17.5	16.939	801	651	801	0	0	0		801
03-05	-17.4	16.916	834	687	834	0	0	0		834
06-08	-17.4	17.045	824	679	822	0	0	0		824
09-11	-16.5	16.894	831	685	829	0	0	0		831
12-14	-15.3	16.610	828	671	825	0	0	0		828
15-17	-15.7	16.727	831	670	831	0	0	0		831
18-20	-17.8	16.376	708	585	708	0	0	0		708
21-23	-18.3	16.512	698	582	697	0	0	0		698
ALL HOURS	-17.0	16.798	6355	5210	6347	0	0	0		6355

E - 5 - 1 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF HOURS WITH LE 32	TEMPERATURES DEG F GE 65	GE 80	GE 93	TOTAL HOURS
00-02	-16.8	12.556	881	814	880	0	0	0	881
03-05	-17.2	12.449	921	853	921	0	0	0	921
06-08	-17.4	12.624	918	844	918	0	0	0	918
09-11	-14.5	11.939	913	815	913	0	0	0	913
12-14	-10.9	10.916	915	798	915	0	0	0	915
15-17	-10.4	10.649	917	789	917	0	0	0	917
18-20	-14.4	11.161	825	759	825	0	0	0	825
21-23	-16.5	11.669	799	750	799	0	0	0	799
ALL HOURS	-14.7	12.026	7089	6422	7088	0	0	0	7089

MONTH: APR

00-02	-6.7	14.764	855	613	851	0	0	0	855
03-05	-7.6	14.818	889	657	888	0	0	0	889
06-08	-6.1	14.881	883	623	882	0	0	0	883
09-11	-1.0	14.002	887	511	881	0	0	0	887
12-14	3.3	13.496	878	408	858	0	0	0	878
15-17	4.4	13.125	878	376	851	0	0	0	878
18-20	.7	13.801	830	448	819	0	0	0	830
21-23	-3.9	14.619	804	527	799	0	0	0	804
ALL HOURS	-2.1	14.871	6904	4163	6829	0	0	0	6904

E - 5 - 1 - 2



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS			
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	18.1	9.414	899	44	871	0	0	0	899
03-05	17.7	9.532	909	44	879	0	0	0	909
06-08	19.4	8.999	898	17	848	0	0	0	898
09-11	22.3	8.317	905	1	805	0	0	0	905
12-14	24.5	8.055	894	0	748	0	0	0	894
15-17	25.0	7.944	911	0	753	0	0	0	911
18-20	23.4	8.010	899	0	791	0	0	0	899
21-23	20.7	8.806	902	7	841	0	0	0	902
ALL HOURS	21.4	9.044	7217	113	6536	0	0	0	7217

MONTH: JUN

00-02	32.8	3.686	867	0	430	0	0	0	867
03-05	33.0	4.202	86	0	417	0	0	0	866
06-08	34.4	4.779	866	0	295	0	0	0	866
09-11	36.0	4.862	876	0	164	2	0	0	876
12-14	37.1	4.885	867	0	104	1	0	0	867
15-17	37.0	4.668	882	0	113	0	0	0	882
18-20	36.1	4.516	873	0	175	0	0	0	873
21-23	34.3	4.093	378	0	296	0	0	0	878
ALL HOURS	35.1	4.793	6975	0	1994	3	0	0	6975

E - 5 - 1 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	38.3	4.994	904	0	66	0	0	0	904
03-05	38.3	5.157	912	0	75	0	0	0	912
06-08	39.4	5.484	914	0	40	0	0	0	914
09-11	40.7	5.630	917	0	12	0	0	0	917
12-14	41.6	5.662	908	0	6	3	0	0	908
15-17	41.9	5.515	906	0	5	0	0	0	906
18-20	41.2	5.623	903	0	7	0	0	0	903
21-23	39.7	5.291	917	0	37	0	0	0	917
ALL HOURS	40.1	5.499	7281	0	248	3	0	0	7281

MONTH: AUG

00-02	37.8	5.356	922	0	147	0	0	0	922
03-05	37.6	5.276	924	0	150	0	0	0	924
06-08	38.5	5.785	912	0	130	0	0	0	912
09-11	40.1	6.370	920	0	81	0	0	0	920
12-14	40.9	6.382	905	0	68	0	0	0	905
15-17	41.1	6.871	918	0	79	1	0	0	918
18-20	39.8	6.446	854	0	105	0	0	0	854
21-23	38.2	5.715	856	0	125	0	0	0	856
ALL HOURS	39.2	6.229	7211	0	885	1	0	0	7211

E - 5 - 1 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF LE 32	HOURS WITH GE 65	TEMPERATURES GE 80	DEG F GE 93	TOTAL HOURS
00-02	30.3	5.406	889	0	599	0	0	0	889
03-05	30.0	5.443	891	0	621	0	0	0	891
06-08	30.2	5.734	883	0	588	0	0	0	883
09-11	32.1	6.180	890	0	504	0	0	0	890
12-14	33.2	6.570	887	0	429	1	0	0	887
15-17	32.9	6.243	895	0	438	0	0	0	895
18-20	31.4	5.759	868	0	518	0	0	0	868
21-23	30.4	5.442	868	0	585	0	0	0	868
ALL HOURS	31.3	5.909	7071	0	4282	1	0	0	7071

MONTH: OCT

00-02	15.4	11.313	911	128	904	0	0	0	911
03-05	15.2	11.494	916	131	907	0	0	0	916
06-08	15.2	11.136	916	122	909	0	0	0	916
09-11	15.8	11.004	915	105	904	0	0	0	915
12-14	16.5	10.868	917	101	902	0	0	0	917
15-17	16.1	10.951	914	101	907	0	0	0	914
18-20	14.8	11.458	794	111	791	0	0	0	794
21-23	14.4	11.567	798	128	794	0	0	0	798
ALL HOURS	15.4	11.258	7081	927	7018	0	0	0	7081

E - 5 - 1 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF HOURS LE 32	WITH TEMPERATURES GE 65	DEG F GE 80	GE 93	TOTAL HOURS
00-02	-3.4	14.199	842	493	840	0	0	0	842
03-05	-3.4	14.177	859	497	857	0	0	0	859
06-08	-3.5	13.925	859	502	859	0	0	0	859
09-11	-3.2	13.606	878	503	878	0	0	0	878
12-14	-3.3	13.814	863	503	863	0	0	0	863
15-17	-3.3	13.983	877	504	877	0	0	0	877
18-20	-4.2	14.007	809	478	808	0	0	0	809
21-23	-4.4	14.059	818	488	815	0	0	0	818
ALL HOURS	-3.6	13.935	6805	3968	6797	0	0	0	6805

MONTH: DEC

00-02	-9.5	14.129	891	668	891	0	0	0	891
03-05	-9.5	14.356	916	682	916	0	0	0	916
06-08	-9.3	14.416	911	669	911	0	0	0	911
09-11	-9.5	14.301	912	676	912	0	0	0	912
12-14	-9.7	14.283	902	683	902	0	0	0	902
15-17	-9.7	14.194	910	692	910	0	0	0	910
18-20	-9.7	14.562	794	602	794	0	0	0	794
21-23	-9.8	14.620	794	595	794	0	0	0	794
ALL HOURS	-9.6	14.361	7030	5267	7030	0	0	0	7030

E - 5 - 1 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF LE 32	HOURS WITH GE 65	TEMPERATURES GE 80	DEG F GE 93	TOTAL HOURS
00-02	9.4	23.977	10539	4093	8157	0	0	0	10539
03-05	9.0	24.044	10736	4250	8364	0	0	0	10736
06-08	9.5	24.370	10681	4155	8099	0	0	0	10681
09-11	11.2	24.344	10739	3983	7778	2	0	0	10739
12-14	12.5	24.162	10639	3826	7495	5	0	0	10639
15-17	12.6	24.206	10722	3807	7564	1	0	0	10722
18-20	12.0	24.426	9902	3550	7086	0	0	0	9902
21-23	10.8	24.285	9877	3650	7327	0	0	0	9877
ALL HOURS	10.9	24.262	83835	31314	61870	8	0	0	83835

E - 5 - 1 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL HOURS		
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	-9.6	12.040	831	831	0	0	0	0	831
03-05	-9.7	12.296	859	859	0	0	0	0	859
06-08	-9.4	12.091	849	849	0	0	0	0	849
09-11	-9.0	12.221	846	846	0	0	0	0	846
12-14	-9.3	12.429	833	833	0	0	0	0	833
15-17	-9.6	12.293	833	833	0	0	0	0	833
18-20	-9.2	12.426	693	693	0	0	0	0	693
21-23	-9.4	12.344	694	694	0	0	0	0	694
ALL HOURS	-9.4	12.264	6438	6438	0	0	0	0	6438

MONTH: FEB

00-02	-13.3	14.314	683	683	0	0	0	0	683
03-05	-13.4	14.463	717	717	0	0	0	0	717
06-08	-13.0	14.509	695	693	0	0	0	0	695
09-11	-12.4	14.315	713	713	0	0	0	0	713
12-14	-11.8	14.318	727	726	0	0	0	0	727
15-17	-12.3	14.462	731	731	0	0	0	0	731
18-20	-13.9	13.900	609	609	0	0	0	0	609
21-23	-13.9	13.935	591	590	0	0	0	0	591
ALL HOURS	-13.0	14.319	5466	5462	0	0	0	0	5466

E - 5 - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS			
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	-14.9	10.966	811	811	0	0	0	0	811
03-05	-15.0	10.564	841	841	0	0	0	0	841
06-08	-15.1	10.635	835	835	0	0	0	0	835
09-11	-13.1	10.343	858	858	0	0	0	0	858
12-14	-10.7	10.281	895	895	0	0	0	0	895
15-17	-10.3	10.141	899	899	0	0	0	0	899
18-20	-13.6	10.247	793	793	0	0	0	0	793
21-23	-15.2	10.436	753	753	0	0	0	0	753
ALL HOURS	-13.4	10.615	6685	6685	0	0	0	0	6685

MONTH: APR

00-02	-6.4	14.066	842	838	0	0	0	0	842
03-05	-7.0	13.920	867	866	0	0	0	0	867
06-08	-5.6	13.939	861	861	0	0	0	0	861
09-11	-1.2	13.508	879	878	0	0	0	0	879
12-14	2.7	12.983	875	866	0	0	0	0	875
15-17	3.8	12.596	878	864	0	0	0	0	878
18-20	.3	13.338	830	823	0	0	0	0	830
21-23	-4.0	14.117	800	795	0	0	0	0	800
ALL HOURS	-2.1	14.122	6832	6791	0	0	0	0	6832

E - 5 - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 32	NUMBER GE 50	OF GE 67	HOURS WITH GE 73	TEMPERATURES GE 80	DEG F	TOTAL HOURS
00-02	17.5	9.357	899	888	0	0	0	0		899
03-05	17.1	9.479	909	891	0	0	0	0		909
06-08	18.6	8.908	898	868	0	0	0	0		898
09-11	21.3	8.127	904	836	0	0	0	0		904
12-14	23.2	7.818	894	791	0	0	0	0		894
15-17	23.7	7.629	911	802	0	0	0	0		911
18-20	22.2	7.815	899	824	0	0	0	0		899
21-23	19.8	8.688	902	865	0	0	0	0		902
ALL HOURS	20.4	8.822	7216	6765	0	0	0	0		7216

MONTH: JUN

00-02	32.0	3.388	867	503	0	0	0	0		867
03-05	32.1	3.815	866	476	3	0	0	0		866
06-08	33.2	4.172	865	371	8	0	0	0		865
09-11	34.4	3.987	875	251	10	0	0	0		875
12-14	35.3	4.176	867	175	10	0	0	0		867
15-17	35.2	3.905	881	191	7	0	0	0		881
18-20	34.5	3.777	873	267	3	0	0	0		873
21-23	33.1	3.474	878	385	2	0	0	0		878
ALL HOURS	33.7	4.085	6972	2619	43	0	0	0		6972

E - 5 - 2 - 3



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF	HOURS WITH	TEMPERATURES	DEG F	TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	37.4	4.470	904	89	17	0	0	0	904
03-05	37.4	4.577	912	92	19	0	0	0	912
06-08	38.2	4.758	913	63	28	0	0	0	913
09-11	39.1	4.754	916	29	42	0	0	0	916
12-14	39.7	4.612	908	14	29	0	0	0	908
15-17	40.0	4.602	906	13	32	0	0	0	906
18-20	39.4	4.607	903	21	32	0	0	0	903
21-23	38.4	4.641	916	66	29	0	0	0	916
ALL HOURS	38.7	4.686	7278	387	228	0	0	0	7278

MONTH: AUG

00-02	37.1	5.084	922	172	9	0	0	0	922
03-05	36.9	4.968	924	181	5	0	0	0	924
06-08	37.6	5.271	912	156	16	0	0	0	912
09-11	38.8	5.563	920	108	29	0	0	0	920
12-14	39.3	5.627	905	91	39	0	0	0	905
15-17	39.3	5.959	918	102	57	0	0	0	918
18-20	38.3	5.741	854	135	40	0	0	0	854
21-23	37.2	5.324	856	172	16	0	0	0	856
ALL HOURS	38.1	5.544	7211	1117	211	0	0	0	7211

E - 5 - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 32	NUMBER OF GE 50	HOURS WITH GE 67	TEMPERATURES GE 73	DEG F GE 80	TOTAL HOURS
00-02	29.6	5.305	889	643	0	0	0	0	889
03-05	29.3	5.469	891	670	0	0	0	0	891
06-08	29.5	5.564	882	634	0	0	0	0	882
09-11	30.9	5.700	890	557	3	0	0	0	890
12-14	31.8	5.771	886	515	5	0	0	0	886
15-17	31.6	5.564	895	522	4	0	0	0	895
18-20	30.5	5.453	868	579	1	0	0	0	868
21-23	29.7	5.294	868	634	0	0	0	0	868
ALL HOURS	30.4	5.627	7069	4754	13	0	0	0	7069

MONTH: OCT

00-02	14.9	11.159	911	905	0	0	0	0	911
03-05	14.8	11.313	915	908	0	0	0	0	915
06-08	14.8	10.940	916	914	0	0	0	0	916
09-11	15.3	10.713	912	905	0	0	0	0	912
12-14	15.9	10.651	917	910	0	0	0	0	917
15-17	15.5	10.781	914	911	0	0	0	0	914
18-20	14.3	11.285	794	791	0	0	0	0	794
21-23	13.9	11.372	798	795	0	0	0	0	798
ALL HOURS	14.9	11.026	7077	7039	0	0	0	0	7077

E - 5 - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL		
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	-3.2	13.448	831	830	0	0	0	0	831
03-05	-3.3	13.540	851	850	0	0	0	0	851
06-08	-3.4	13.388	853	853	0	0	0	0	853
09-11	-3.2	13.132	874	874	0	0	0	0	874
12-14	-3.3	13.244	858	858	0	0	0	0	858
15-17	-3.2	13.303	868	868	0	0	0	0	868
18-20	-3.9	13.192	796	795	0	0	0	0	796
21-23	-4.0	13.163	805	802	0	0	0	0	805
ALL HOURS	-3.4	13.280	6736	6730	0	0	0	0	6736

MONTH: DEC

00-02	-8.4	12.908	858	858	0	0	0	0	858
03-05	-8.5	13.283	886	886	0	0	0	0	886
06-08	-8.5	13.418	886	886	0	0	0	0	886
09-11	-8.7	13.363	889	889	0	0	0	0	889
12-14	-8.9	13.187	879	879	0	0	0	0	879
15-17	-9.0	13.149	887	887	0	0	0	0	887
18-20	-8.7	13.306	767	767	0	0	0	0	767
21-23	-8.5	13.159	758	758	0	0	0	0	758
ALL HOURS	-8.7	13.225	6810	6810	0	0	0	0	6810

E - 5 - 2 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL HOURS		
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	10.4	22.372	10248	8051	26	0	0	0	10248
03-05	10.0	22.464	10438	8237	27	0	0	0	10438
06-08	10.5	22.620	10365	7983	52	0	0	0	10365
09-11	11.7	22.600	10476	7744	84	0	0	0	10476
12-14	12.6	22.525	10444	7553	83	0	0	0	10444
15-17	12.7	22.520	10521	7623	100	0	0	0	10521
18-20	12.5	22.642	9679	7097	76	0	0	0	9679
21-23	11.6	22.537	9619	7309	47	0	0	0	9619
ALL HOURS	11.5	22.556	81790	61597	495	0	0	0	81790

E - 5 - 2 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL HOURS		
				LE 27	GE 37	LE 55	GE 65	
00-02	-16.5	14.079	831	831	0	831	0	831
03-05	-16.6	14.194	859	859	0	859	0	859
06-08	-16.3	14.128	849	849	0	849	0	849
09-11	-15.9	14.342	846	846	0	846	0	846
12-14	-16.3	14.605	833	833	0	833	0	833
15-17	-16.6	14.374	833	833	0	833	0	833
18-20	-16.1	14.545	693	693	0	693	0	693
21-23	-16.2	14.384	694	694	0	694	0	694
ALL HOURS	-16.3	14.338	6438	6438	0	6438	0	6438

MONTH: FEB

00-02	-20.8	16.781	683	681	0	683	0	727
03-05	-21.1	17.013	717	715	0	717	0	727
06-08	-20.7	16.977	695	690	0	695	0	727
09-11	-20.0	16.635	713	706	0	713	0	727
12-14	-19.3	16.663	727	724	0	727	0	727
15-17	-19.9	17.050	731	730	0	731	0	727
18-20	-21.6	16.682	609	608	0	609	0	727
21-23	-21.6	16.728	591	588	0	591	0	727
ALL HOURS	-20.6	16.839	5466	5442	0	5466	0	5466

E - 5 - 3 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL HOURS	
				LE 27	GE 37	LE 55	GE 65	
00-02	-23.9	13.465	811	811	0	811	0	811
03-05	-24.1	13.349	841	841	0	841	0	841
06-08	-24.4	13.290	835	835	0	835	0	835
09-11	-22.2	12.792	858	858	0	858	0	858
12-14	-19.5	12.457	895	895	0	895	0	895
15-17	-19.2	12.229	899	899	0	899	0	899
18-20	-22.8	12.761	793	793	0	793	0	793
21-23	-24.5	13.183	753	753	0	753	0	753
ALL HOURS	-22.5	13.114	6685	6685	0	6685	0	6685

MONTH: APR

00-02	-14.2	17.024	842	837	0	842	0	875
03-05	-14.9	16.841	867	861	0	867	0	875
06-08	-13.3	16.673	861	857	0	861	0	875
09-11	-8.3	15.734	879	871	0	879	0	875
12-14	-4.3	15.262	875	855	0	875	0	875
15-17	-3.2	14.961	878	851	0	878	0	875
18-20	-6.9	16.002	830	813	0	830	0	875
21-23	-11.5	17.112	800	794	0	800	0	875
ALL HOURS	-9.5	16.766	6832	6739	0	6832	0	6832

E - 5 - 3 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF HOURS WITH	TEMPERATURES DEG F	TOTAL	
				LE 27	GE 37	LE 55	GE 65	HOURS
00-02	13.7	11.317	899	818	0	899	0	899
03-05	13.4	11.332	909	829	0	909	0	909
06-08	15.0	10.618	898	783	0	898	0	898
09-11	17.5	9.686	904	743	1	904	0	904
12-14	19.4	9.214	894	695	1	894	0	894
15-17	19.9	8.892	911	699	4	911	0	911
18-20	18.4	9.244	899	726	0	899	0	899
21-23	15.9	10.516	902	768	0	902	0	902
ALL HOURS	16.7	10.438	7216	6061	6	7216	0	7216

MONTH: JUN

00-02	30.3	3.831	867	178	36	867	0	867
03-05	30.4	4.192	866	187	40	866	0	867
06-08	31.2	4.375	865	151	71	865	0	867
09-11	32.0	4.191	875	114	87	875	0	867
12-14	32.6	4.201	867	80	106	867	0	867
15-17	32.5	4.203	881	77	111	881	0	867
18-20	32.1	3.874	873	87	93	873	0	867
21-23	31.0	3.693	878	143	50	878	0	867
ALL HOURS	31.5	4.226	6972	1017	594	6972	0	6972

E - 5 - 3 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	36.0	4.523	904	6	354	904	0	904
03-05	36.1	4.457	912	3	375	912	0	912
06-08	36.5	4.683	913	6	403	913	0	913
09-11	37.0	4.557	916	2	441	916	0	916
12-14	37.3	4.340	908	2	468	908	0	908
15-17	37.5	4.335	906	0	490	906	0	906
18-20	37.2	4.435	903	0	449	903	0	903
21-23	36.6	4.532	916	0	411	916	0	916
ALL HOURS	36.8	4.560	7278	19	3391	7278	0	7278

MONTH: AUG

00-02	35.9	5.213	922	53	379	922	0	905
03-05	35.7	5.131	924	54	398	924	0	905
06-08	36.3	5.248	912	49	433	912	0	905
09-11	37.0	5.475	920	44	477	920	0	905
12-14	37.2	5.510	905	36	472	905	0	905
15-17	37.1	5.784	918	40	466	918	0	905
18-20	36.3	5.638	854	56	399	854	0	905
21-23	35.7	5.412	856	62	354	856	0	905
ALL HOURS	36.4	5.525	7211	394	3378	7211	0	7211

E - 5 - 3 - 4



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

\ DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 27	NUMBER OF GE 37	HOURS WITH LE 55	TEMPERATURES GE 65	DEG F	TOTAL HOURS
00-02	27.8	6.163	889	359	52	889	0		889
03-05	27.5	6.339	891	381	47	891	0		891
06-08	27.6	6.496	882	361	44	882	0		882
09-11	28.6	6.316	890	319	81	890	0		890
12-14	29.2	6.182	886	284	88	886	0		886
15-17	29.1	6.123	895	303	83	895	0		895
18-20	28.3	6.044	868	331	55	868	0		868
21-23	27.7	6.170	868	350	49	868	0		868
ALL HOURS	28.2	6.291	7069	2688	499	7069	0		7069

MONTH: OCT

00-02	11.3	13.328	911	881	0	911	0		917
03-05	11.1	13.544	915	872	0	915	0		917
06-08	11.1	13.212	916	883	0	916	0		917
09-11	11.7	12.724	912	869	0	912	0		917
12-14	12.2	12.648	917	865	0	917	0		917
15-17	11.8	12.924	914	873	0	914	0		917
18-20	10.4	13.639	794	771	0	794	0		917
21-23	10.0	13.826	798	777	0	798	0		917
ALL HOURS	11.2	13.248	7077	6791	0	7077	0		7077

E - 5 - 3 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	-9.1	15.393	831	826	0	831	0	831
03-05	-9.2	15.575	851	846	0	851	0	851
06-08	-9.3	15.243	853	853	0	853	0	853
09-11	-9.1	15.024	874	874	0	874	0	874
12-14	-9.1	15.155	858	858	0	858	0	858
15-17	-9.0	15.228	868	868	0	868	0	868
18-20	-9.8	15.147	796	795	0	796	0	796
21-23	-9.9	15.061	805	802	0	805	0	805
ALL HOURS	-9.3	15.239	6736	6722	0	6736	0	6736

MONTH: DEC

00-02	-14.9	14.748	858	858	0	858	0	879
03-05	-14.9	15.160	886	886	0	886	0	879
06-08	-14.8	15.321	886	883	0	886	0	879
09-11	-15.1	15.242	889	889	0	889	0	879
12-14	-15.5	14.966	879	879	0	879	0	879
15-17	-15.7	14.966	887	887	0	887	0	879
18-20	-15.2	15.151	767	767	0	767	0	879
21-23	-14.9	14.925	758	758	0	758	0	879
ALL HOURS	-15.1	15.079	6810	6807	0	6810	0	6810

E - 5 - 3 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	5.8	25.573	10248	7139	821	10248	0	10248
03-05	5.3	25.711	10438	7334	860	10438	0	10438
06-08	5.8	25.723	10365	7200	951	10365	0	10365
09-11	6.9	25.401	10476	7135	1087	10476	0	10476
12-14	7.6	25.177	10444	7006	1135	10444	0	10444
15-17	7.7	25.192	10521	7060	1154	10521	0	10521
18-20	7.7	25.494	9679	6440	996	9679	0	9679
21-23	7.0	25.610	9619	6489	864	9619	0	9619
ALL HOURS	6.7	25.499	81790	55803	7868	81790	0	81790

E - 5 - 3 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO						90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%			
00-02	100.0	100.0	99.9	99.0	92.7	79.5	53.5	17.9	2.3	68.9	831
03-05	100.0	100.0	99.9	99.0	95.1	81.3	51.9	18.7	1.5	68.9	859
06-08	100.0	100.0	99.6	98.5	93.2	80.3	53.4	18.8	1.6	68.9	849
09-11	100.0	99.9	99.8	98.7	91.8	80.9	54.4	19.9	2.5	69.0	846
12-14	100.0	100.0	99.5	97.6	91.8	79.4	53.9	19.1	1.8	68.6	833
15-17	100.0	100.0	99.9	98.8	93.5	77.6	53.2	19.6	1.3	68.6	833
18-20	100.0	100.0	100.0	99.6	93.4	77.6	53.0	19.8	2.5	68.9	693
21-23	100.0	100.0	100.0	99.7	92.9	78.4	55.2	21.8	2.2	69.2	694
ALL HOURS	100.0	100.0	99.8	98.8	93.1	79.4	53.5	19.4	1.9	68.9	6438

MONTH: FEB

00-02	100.0	100.0	99.7	97.7	90.5	73.9	42.0	14.8	2.2	66.5	683
03-05	100.0	100.0	99.6	97.4	90.7	74.9	39.5	12.8	2.1	66.1	717
06-08	100.0	100.0	99.7	97.1	90.6	74.4	40.0	11.9	2.4	66.2	695
09-11	100.0	100.0	100.0	97.8	89.6	75.0	42.5	13.7	2.2	66.5	713
12-14	100.0	100.0	100.0	98.1	91.5	73.6	42.1	14.7	3.6	66.8	727
15-17	100.0	100.0	99.7	97.4	89.7	72.9	40.1	16.1	2.5	66.2	731
18-20	100.0	100.0	99.7	95.6	89.3	72.2	40.4	16.6	2.8	66.1	609
21-23	100.0	100.0	99.2	95.4	88.5	73.6	42.3	17.1	3.2	66.5	591
ALL HOURS	100.0	100.0	99.7	97.1	90.1	73.9	41.1	14.7	2.6	66.4	5466

E - 6 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO						90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%			
00-02	100.0	99.9	99.1	94.3	79.2	59.2	30.2	8.0	.7	61.4	811
03-05	100.0	99.6	97.4	90.6	79.8	60.9	32.1	8.1	.4	61.3	841
06-08	100.0	99.6	97.6	90.9	78.0	60.4	30.1	6.7	.5	60.9	835
09-11	100.0	99.5	98.3	93.2	80.1	61.0	30.2	7.0	.2	61.4	858
12-14	100.0	99.8	98.5	94.2	82.2	63.5	30.4	8.0	.3	62.2	895
15-17	100.0	99.7	98.6	94.8	80.8	61.6	30.0	7.0	.3	61.9	899
18-20	100.0	100.0	99.1	92.6	75.8	58.9	30.4	7.7	.6	61.0	793
21-23	100.0	100.0	99.5	92.2	75.0	56.3	31.2	7.7	.9	60.7	753
ALL HOURS	100.0	99.8	98.5	92.9	79.0	60.3	30.6	7.5	.5	61.4	6685

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	99.9	98.9	95.1	84.0	67.5	49.2	22.0	4.9	66.3	842
03-05	100.0	99.8	98.5	95.6	84.4	68.2	46.3	19.0	4.5	66.0	867
06-08	100.0	99.9	98.4	95.6	87.1	72.0	46.6	17.9	4.5	66.6	861
09-11	100.0	100.0	99.7	98.6	91.8	75.2	47.4	16.5	4.2	67.9	879
12-14	100.0	100.0	100.0	98.3	91.8	76.5	47.0	17.0	3.8	68.0	875
15-17	100.0	100.0	100.0	97.0	91.2	77.2	47.8	18.6	3.3	68.0	878
18-20	100.0	100.0	99.9	96.5	87.7	72.3	50.2	24.0	4.9	67.7	830
21-23	100.0	100.0	99.8	95.9	83.3	67.9	51.1	26.6	6.0	67.1	800
ALL HOURS	100.0	99.9	99.4	96.6	87.7	72.2	46.2	20.1	4.5	67.2	6832

E - 6 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.7	98.6	94.3	83.2	61.4	33.8	81.4	899
03-05	100.0	100.0	100.0	99.7	98.1	94.1	83.8	65.1	34.7	81.9	909
06-08	100.0	100.0	100.0	99.3	98.1	93.9	84.9	62.6	31.4	81.4	898
09-11	100.0	100.0	99.9	99.7	98.7	93.6	84.8	59.5	23.7	80.5	904
12-14	100.0	100.0	100.0	99.7	98.8	93.2	84.9	53.1	17.2	79.2	894
15-17	100.0	100.0	100.0	100.0	99.6	95.2	85.3	50.6	17.3	79.3	911
18-20	100.0	100.0	100.0	100.0	98.9	94.2	84.4	53.7	21.1	79.8	899
21-23	100.0	100.0	100.0	99.9	98.1	92.4	82.6	56.9	29.4	80.2	902
ALL HOURS	100.0	100.0	100.0	99.7	98.6	93.8	84.2	57.9	26.1	80.4	7216

MONTH: JUN

00-02	100.0	100.0	100.0	99.9	99.8	99.7	97.2	88.1	59.6	89.9	867
03-05	100.0	100.0	100.0	100.0	100.0	99.5	97.1	86.8	58.7	89.8	866
06-08	100.0	100.0	100.0	100.0	99.7	98.6	95.3	81.7	49.1	87.8	865
09-11	100.0	100.0	100.0	99.9	99.1	97.1	93.1	76.3	35.7	85.2	875
12-14	100.0	100.0	99.9	99.9	99.9	97.9	94.9	71.5	24.2	83.8	867
15-17	100.0	99.9	99.7	99.7	99.3	98.6	95.9	72.4	24.0	83.8	881
18-20	100.0	100.0	100.0	99.9	99.9	99.3	95.6	75.3	31.3	85.1	873
21-23	100.0	100.0	100.0	100.0	99.5	99.4	97.0	84.2	41.1	87.3	878
ALL HOURS	100.0	100.0	99.9	99.9	99.6	98.8	95.8	79.5	40.4	86.6	6972

E - 6 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	99.8	98.6	92.3	67.9	91.8	904
03-05	100.0	100.0	100.0	100.0	100.0	99.7	99.0	93.2	68.8	92.1	912
06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.9	86.7	57.2	89.7	913
09-11	100.0	100.0	100.0	100.0	99.8	98.5	93.9	81.0	41.9	86.9	916
12-14	100.0	100.0	100.0	99.9	99.7	97.4	92.4	74.9	34.0	85.1	908
15-17	100.0	100.0	100.0	100.0	100.0	99.1	93.0	74.2	31.1	84.8	906
18-20	100.0	100.0	100.0	100.0	100.0	99.2	92.1	78.1	39.1	86.1	903
21-23	100.0	100.0	100.0	100.0	100.0	99.7	96.4	86.0	51.2	89.1	916
ALL HOURS	100.0	100.0	100.0	100.0	99.9	99.1	95.2	83.3	48.9	88.2	7278

MONTH: AUG

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.9	95.6	72.9	92.6	922
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	96.1	75.5	93.1	924
06-08	100.0	100.0	100.0	100.0	100.0	99.9	99.2	92.4	66.2	91.8	912
09-11	100.0	100.0	100.0	100.0	100.0	99.6	95.4	83.0	52.3	88.7	920
12-14	100.0	100.0	100.0	100.0	99.8	98.2	95.0	81.4	42.2	87.1	905
15-17	100.0	100.0	100.0	99.9	99.7	98.4	94.0	76.4	38.9	86.1	918
18-20	100.0	100.0	100.0	100.0	100.0	99.3	95.8	81.1	45.4	87.6	854
21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.9	90.9	61.4	90.6	856
ALL HOURS	100.0	100.0	100.0	100.0	99.9	99.4	97.0	87.2	57.0	89.7	7211

E - 6 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%						
00-02	100.0	100.0	100.0	100.0	100.0	99.9	97.5	86.8	61.0	89.7		889
03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.3	87.9	61.5	89.7		891
06-08	100.0	100.0	100.0	100.0	100.0	99.7	95.7	85.5	59.5	89.2		882
09-11	100.0	100.0	100.0	100.0	99.7	97.8	91.0	77.2	48.2	86.5		890
12-14	100.0	100.0	100.0	99.8	99.2	97.2	88.3	73.0	43.2	85.0		886
15-17	100.0	100.0	100.0	100.0	99.2	97.3	89.1	74.2	42.7	85.3		895
18-20	100.0	100.0	100.0	100.0	100.0	99.3	94.6	82.4	49.0	87.6		868
21-23	100.0	100.0	100.0	100.0	100.0	99.4	97.0	84.2	55.4	88.8		868
ALL HOURS	100.0	100.0	100.0	100.0	99.8	98.8	93.8	81.4	52.6	87.7		7069

MONTH: OCT

00-02	100.0	100.0	99.8	99.6	99.0	95.3	87.0	68.6	28.4	82.2		911
03-05	100.0	99.9	99.7	99.5	98.4	96.0	88.5	67.3	29.9	82.1		915
06-08	100.0	99.9	99.7	99.1	98.5	95.9	87.8	68.1	28.1	82.0		916
09-11	100.0	100.0	99.8	99.5	99.0	95.4	87.2	66.7	27.3	81.9		912
12-14	100.0	100.0	99.9	99.6	98.8	95.6	85.6	62.9	26.0	81.3		917
15-17	100.0	99.7	99.7	99.7	98.7	95.0	86.7	63.1	24.5	81.2		914
18-20	100.0	100.0	99.6	99.5	98.6	94.0	84.4	63.1	28.2	81.1		794
21-23	100.0	99.9	99.6	99.4	98.7	92.6	84.1	63.9	28.6	81.1		798
ALL HOURS	100.0	99.9	99.7	99.5	98.7	95.0	86.5	65.5	27.6	81.6		7077

E - 6 - 5



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.5	99.2	96.6	89.8	65.0	30.2	7.6	72.7	831
03-05	100.0	99.9	99.8	98.6	97.4	89.8	62.4	30.7	7.2	72.7	851
06-08	100.0	100.0	99.6	99.2	97.7	90.6	62.3	31.1	6.1	72.8	853
09-11	100.0	99.9	99.8	99.4	97.8	89.8	63.6	31.8	6.4	73.1	874
12-14	100.0	99.8	99.7	99.4	97.7	88.8	65.3	28.3	6.4	72.9	858
15-17	100.0	100.0	100.0	99.3	97.4	88.6	64.6	30.2	7.0	73.0	868
18-20	100.0	100.0	100.0	99.5	97.2	88.1	62.7	29.8	8.5	72.7	796
21-23	100.0	100.0	99.9	99.1	97.0	90.2	64.8	26.7	7.6	72.7	805
ALL HOURS	100.0	99.9	99.8	99.2	97.4	89.5	63.8	29.9	7.1	72.8	6736

MONTH: DEC

00-02	100.0	99.9	99.7	98.8	95.3	84.0	60.8	23.0	3.4	70.8	858
03-05	100.0	100.0	99.9	99.1	95.8	85.3	60.5	24.0	3.5	71.0	886
06-08	100.0	100.0	99.9	98.6	96.8	85.9	61.3	25.4	3.5	71.2	886
09-11	100.0	100.0	100.0	99.1	96.4	85.2	57.3	25.1	3.9	70.9	889
12-14	100.0	100.0	100.0	98.9	95.8	83.7	55.2	23.2	3.8	70.1	879
15-17	100.0	100.0	99.7	98.9	94.8	84.0	55.1	21.5	2.5	69.8	887
18-20	100.0	100.0	99.9	99.1	94.0	82.9	58.5	25.2	3.9	70.4	767
21-23	100.0	100.0	100.0	98.9	94.6	83.2	62.1	24.4	3.2	70.9	758
ALL HOURS	100.0	100.0	99.9	98.9	95.5	84.3	58.8	24.0	3.5	70.6	6810

E - 6 - 6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.7	98.7	94.9	87.6	73.3	52.5	30.1	78.4		10248
03-05	100.0	99.9	99.6	98.3	95.2	87.9	72.5	52.1	30.0	78.3		10438
06-08	100.0	100.0	99.6	98.3	95.2	88.1	72.1	50.4	26.7	77.8		10365
09-11	100.0	99.9	99.8	98.9	95.5	87.8	70.9	47.5	21.3	76.9		10476
12-14	100.0	100.0	99.8	98.8	95.7	87.4	70.2	44.7	17.6	76.1		10444
15-17	100.0	99.9	99.8	98.8	95.4	87.5	70.3	44.4	16.7	75.9		10521
18-20	100.0	100.0	99.9	98.6	94.9	87.3	71.8	48.4	21.0	76.8		9679
21-23	100.0	100.0	99.8	98.5	94.4	87.1	73.8	51.8	26.0	77.9		9619
ALL HOURS	100.0	100.0	99.7	98.6	95.2	87.6	71.8	48.9	23.7	77.3		81790

E - 6 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	1017.0	1021.3	1020.8	1019.2	1017.7	1014.1	1013.8	1012.5	1013.2	1013.5	1015.6	1016.6	1016.1
	SD	12.211	12.482	10.004	8.762	7.534	6.539	6.067	7.541	7.831	10.264	11.258	13.475	10.130
	TOT OBS	285	255	276	267	296	292	306	306	297	299	272	292	3443
0300	MEAN	1016.8	1021.1	1020.5	1019.3	1017.8	1014.2	1013.8	1012.5	1013.3	1013.4	1015.2	1016.6	1016.2
	SD	12.616	12.327	9.853	9.273	7.616	6.539	6.035	7.511	7.843	10.172	11.107	13.635	10.218
	TOT OBS	307	280	309	299	309	297	309	309	300	309	292	309	3629
0600	MEAN	1016.6	1021.0	1020.5	1019.3	1017.8	1014.1	1013.8	1012.4	1013.1	1013.5	1015.3	1016.4	1016.1
	SD	12.513	12.259	9.901	9.368	7.556	6.621	6.121	7.594	8.014	10.177	11.190	13.720	10.161
	TOT OBS	299	271	305	294	301	291	306	304	296	304	282	304	3557
0900	MEAN	1016.2	1021.0	1020.5	1019.1	1017.9	1014.2	1013.9	1012.5	1013.1	1013.4	1015.0	1016.2	1016.1
	SD	12.577	12.271	9.777	9.353	7.595	6.679	6.191	7.600	8.069	10.189	11.098	13.770	10.258
	TOT OBS	307	282	309	298	306	298	308	308	299	308	299	309	3631
1200	MEAN	1016.7	1021.1	1020.6	1019.3	1017.9	1014.3	1014.1	1012.7	1013.2	1013.5	1015.5	1016.2	1016.2
	SD	12.493	12.350	9.759	9.390	7.586	6.763	6.227	7.624	8.127	10.271	10.837	13.725	10.229
	TOT OBS	298	279	303	293	300	289	306	305	298	306	289	298	3564
1500	MEAN	1016.7	1021.2	1020.5	1019.2	1017.8	1014.4	1014.2	1012.7	1013.2	1013.5	1015.3	1016.4	1016.2
	SD	12.502	12.348	9.684	9.374	7.508	6.670	6.231	7.616	8.056	10.188	10.922	13.780	10.222
	TOT OBS	305	282	310	297	308	296	306	308	299	309	296	307	3623
1800	MEAN	1015.6	1020.5	1020.5	1018.9	1017.7	1014.1	1013.9	1012.8	1012.9	1013.4	1015.7	1016.7	1016.0
	SD	12.350	12.230	9.816	9.187	7.498	6.619	6.229	7.612	7.941	10.432	11.449	13.382	10.074
	TOT OBS	248	248	290	292	300	292	302	284	290	265	270	265	3346
2100	MEAN	1015.6	1020.9	1020.7	1018.9	1017.6	1014.1	1013.8	1012.6	1013.0	1013.3	1015.4	1016.7	1015.9
	SD	12.260	12.201	9.945	8.760	7.554	6.523	6.171	7.580	7.921	10.451	11.465	13.514	10.060
	TOT OBS	254	236	270	270	305	298	309	286	291	268	276	267	3330
ALL HOURS	MEAN	1016.4	1021.0	1020.6	1019.2	1017.8	1014.2	1013.9	1012.6	1013.1	1013.5	1015.4	1016.5	1016.1
	SD	12.458	12.312	9.840	9.198	7.557	6.620	6.161	7.586	7.977	10.263	11.164	13.634	10.182
	TOT OBS	2303	2133	2372	2310	2425	2353	2452	2410	2370	2368	2276	2351	28123

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	30.01	30.13	30.12	30.08	30.04	29.93	29.92	29.88	29.90	29.91	29.97	30.00	29.99
	SD	.358	.369	.298	.259	.223	.193	.179	.223	.231	.301	.332	.397	.298
	TOT OBS	285	255	276	268	296	292	305	306	297	299	272	292	3443
0300	MEAN	30.01	30.13	30.12	30.08	30.04	29.93	29.92	29.88	29.91	29.91	29.96	30.00	29.99
	SD	.370	.364	.291	.274	.225	.193	.178	.222	.231	.299	.326	.402	.301
	TOT OBS	307	280	309	299	309	297	309	309	300	309	292	309	3629
0600	MEAN	30.00	30.13	30.12	30.08	30.04	29.93	29.92	29.88	29.90	29.91	29.96	30.00	29.99
	SD	.367	.363	.294	.276	.224	.195	.180	.225	.235	.299	.329	.402	.301
	TOT OBS	299	271	305	294	301	291	306	304	296	304	282	303	3556
0900	MEAN	29.99	30.12	30.12	30.07	30.04	29.93	29.93	29.88	29.90	29.91	29.95	29.99	29.99
	SD	.368	.364	.290	.277	.224	.197	.182	.224	.238	.299	.325	.405	.302
	TOT OBS	307	282	309	298	306	298	308	308	299	308	299	309	3631
1200	MEAN	30.00	30.13	30.12	30.08	30.04	29.94	29.93	29.89	29.90	29.91	29.97	29.99	29.99
	SD	.368	.366	.289	.277	.225	.200	.183	.225	.239	.302	.318	.405	.301
	TOT OBS	297	279	303	292	300	289	306	305	298	306	289	298	3562
1500	MEAN	30.00	30.13	30.12	30.07	30.04	29.94	29.93	29.89	29.90	29.91	29.96	30.00	29.99
	SD	.367	.366	.287	.276	.223	.197	.184	.225	.237	.298	.321	.406	.301
	TOT OBS	305	282	310	297	308	296	306	308	299	309	296	307	3623
1800	MEAN	29.97	30.11	30.12	30.07	30.04	29.93	29.93	29.89	29.89	29.91	29.97	30.00	29.99
	SD	.363	.361	.292	.270	.222	.196	.184	.226	.233	.306	.337	.394	.297
	TOT OBS	249	248	290	292	300	292	302	284	290	265	270	265	3347
2100	MEAN	29.97	30.12	30.12	30.07	30.03	29.93	29.92	29.89	29.90	29.91	29.97	30.00	29.98
	SD	.360	.361	.296	.258	.224	.192	.181	.225	.232	.306	.337	.398	.296
	TOT OBS	254	236	270	270	305	298	309	286	291	268	276	267	3330
ALL HOURS	MEAN	30.00	30.13	30.12	30.07	30.04	29.93	29.93	29.89	29.90	29.91	29.96	30.00	29.99
	SD	.366	.364	.292	.271	.224	.195	.181	.224	.234	.301	.328	.401	.300
	TOT OBS	2303	2133	2372	2310	2425	2353	2451	2410	2370	2368	2276	2350	28121

F - 3 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	29.96	30.09	30.07	30.03	29.99	29.88	29.87	29.84	29.86	29.86	29.92	29.95	29.94
	SD	.361	.367	.296	.258	.223	.192	.178	.221	.232	.302	.331	.396	.298
	TOT OBS	285	255	274	267	296	293	305	308	296	297	274	293	3443
0300	MEAN	29.96	30.08	30.06	30.03	29.99	29.89	29.87	29.84	29.86	29.86	29.91	29.95	29.94
	SD	.372	.363	.292	.271	.225	.192	.178	.221	.231	.299	.326	.402	.301
	TOT OBS	306	280	310	298	309	297	309	309	300	309	292	310	3629
0600	MEAN	29.95	30.08	30.07	30.03	29.99	29.88	29.87	29.83	29.85	29.86	29.91	29.95	29.94
	SD	.369	.361	.292	.275	.223	.195	.180	.223	.237	.300	.328	.403	.301
	TOT OBS	299	271	305	294	301	291	306	304	296	304	282	303	3556
0900	MEAN	29.94	30.08	30.07	30.03	29.99	29.88	29.88	29.84	29.85	29.86	29.91	29.94	29.94
	SD	.371	.362	.289	.275	.224	.197	.183	.223	.238	.300	.326	.406	.302
	TOT OBS	307	282	309	298	306	298	308	308	299	308	299	309	3631
1200	MEAN	29.95	30.08	30.07	30.03	29.99	29.89	29.88	29.84	29.86	29.86	29.92	29.94	29.94
	SD	.369	.364	.288	.277	.224	.199	.183	.225	.239	.302	.318	.405	.301
	TOT OBS	297	279	303	292	300	289	306	305	298	306	289	298	3562
1500	MEAN	29.95	30.09	30.07	30.03	29.99	29.89	29.89	29.84	29.86	29.86	29.91	29.95	29.94
	SD	.369	.364	.285	.276	.222	.196	.183	.225	.238	.300	.321	.407	.301
	TOT OBS	305	282	310	297	308	296	306	308	299	309	296	307	3623
1800	MEAN	29.92	30.07	30.07	30.02	29.99	29.88	29.88	29.84	29.85	29.86	29.93	29.95	29.94
	SD	.364	.361	.290	.269	.221	.195	.183	.225	.234	.307	.336	.396	.296
	TOT OBS	249	248	290	292	300	292	302	284	290	265	270	265	3347
2100	MEAN	29.92	30.08	30.07	30.02	29.98	29.88	29.87	29.84	29.85	29.86	29.92	29.95	29.94
	SD	.361	.359	.293	.258	.223	.192	.181	.223	.233	.307	.337	.398	.296
	TOT OBS	254	236	270	270	305	298	309	286	291	268	276	267	3336
ALL HOURS	MEAN	29.95	30.08	30.07	30.03	29.99	29.89	29.88	29.84	29.85	29.86	29.92	29.95	29.94
	SD	.367	.363	.290	.270	.223	.195	.181	.223	.235	.302	.328	.402	.299
	TOT OBS	2302	2133	2371	2308	2425	2354	2451	2412	2369	2366	2278	2352	28121

F - 4 - 1





PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

REPORTING LOCATION "A"  
 FSC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
 LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
 MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0	.1		879	.8	.1		901	.4			894	.6			895
CATEGORY B	1.2	.2	.2	892	1.0	.1		915	.8	.1		918	.6			931

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7			874	.5			883	.5			744	.8	.4	.1	746
CATEGORY B	.7			907	.4			902	1.1			755	.8	.4	.3	760

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5			4290	.7	.1	.0	6816
CATEGORY B	.7	.0		4413	.8	.1	.1	6980

G - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.5			803	1.1	.4		835	1.8	.6	.1	824	1.8	.4	.1	832
CATEGORY B	1.6	.1		822	1.1	.4		845	1.8	.6	.1	845	1.9	.5	.1	859

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.5			826	.8	.1		833	1.0	.1		709	1.3			696
CATEGORY B	1.4			842	.9	.1		849	1.1	.1		722	1.5	.1		715

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.2	.0	4024	1.4	.2	.0	6358
CATEGORY B	1.4	.3	.0	4117	1.4	.2	.0	6499

G - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 8  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.3	.1		878	.5			921	.5			918	.9	.1		918
CATEGORY B	1.2	.1		896	.6			930	.5			930	.9	.1		918

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.1		915	.2			916	.2			824	.9			824
CATEGORY B	.8	.1		928	.3			938	.4			836	1.0			824

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.0		4487	.7	.0		7088
CATEGORY B	.6	.0		4564	.7	.0		7212

G - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				854				889	.1			882	.1			888
CATEGORY B				869				901	.1			904	.1			915

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			879	.1			878				830				804
CATEGORY B	.2			894	.1			882				849				822

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			4357	.1			6904
CATEGORY B	.1			4444	.1			7036

G - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				899				909				898				903
CATEGORY B				946				962				959				958

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				894	.1			911				899				899
CATEGORY B				939	.1			936				934				953

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.0			4505	.0			7212
CATEGORY B	.0			4726	.0			7587

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				867	.1			866				867	.1			876
CATEGORY B				937	.1			926				918	.1			936

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				866				882	.1			872				878
CATEGORY B				933				931	.1			924				947

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.0			4363	.0			6974
CATEGORY B	.0			4642	.0			7452



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				901				910	.2			914				917
CATEGORY B				953				970	.2			994				1004

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			907	.2			906	.1			904				915
CATEGORY B	.1			994	.2			958	.1			945				964

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			4548	.1			7274
CATEGORY B	.1			4895	.1			7782

G - 2 - 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				922	.3			924	.8	.2		912	.7			919
CATEGORY B				974	.5	.1		990	.9	.3	.1	984	1.1	.1		1001

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1		905	.8	.2		918	.8			854	.2			856
CATEGORY B	.5	.1		965	.9	.2		977	1.0			889	.2			895

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.1		4508	.5	.1		7210
CATEGORY B	.9	.1	.0	4816	.7	.1	.0	7675

G - 2 - 8

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			889	.4	.1		892	.8	.3		884	.8	.2		890
CATEGORY B	.3			925	.4	.1		922	.8	.3		929	.8	.2		928

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		888	1.1			896	1.2			867	.3			868
CATEGORY B	.6	.1		939	1.6			947	1.3			901	.4			907

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.9	.1		4425	.7	.1		7074
CATEGORY B	1.0	.1		4644	.8	.1		7398

G - 2 - 9

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.9	.1		910	.4			917	.3			915	.7	.1		916
CATEGORY B	1.0	.2		967	1.2			956	.6			988	.9	.1		988

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.5	.1		917	1.0			915	1.4	.4		794	.6	.4		798
CATEGORY B	1.6	.2		978	1.3	.1		967	1.7	.5		836	.8	.6	.1	831

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0	.1		4457	.8	.1		7082
CATEGORY B	1.2	.2		4757	1.1	.2	.0	7511

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4			841	.5			859	.8			859	1.3			877
CATEGORY B	.3			860	.6			869	.8			882	1.2			915

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.3		864	.8	.5	.1	876	.7	.1		806	.4			818
CATEGORY B	.8	.3		907	.8	.4	.1	895	.7	.1		832	.4			835

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.9	.2	.0	4282	.7	.1	.0	6800
CATEGORY B	.9	.2	.0	4431	.7	.1	.0	6995

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			892	.8			915	.5			912	.5			915
CATEGORY B	.8			929	1.0	.1		932	1.2			935	.9			931

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		903	.2			909	.8	.1	.1	793	.4			795
CATEGORY B	.5	.1		941	.2			940	1.0	.2	.1	829	.6			834

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.0	.0	4432	.5	.0	.0	7034
CATEGORY B	.7	.1	.0	4576	.8	.1	.0	7271

G - 2 - 12

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 057-237

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

.....  
TIME (LST) | 0000 - 0200 | 0300 - 0500 | 0600 - 0800 | 0900 - 1100  
SPEED (KTS) | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | .5 .0 10535 | .4 .0 10738 | .5 .1 .0 10679 | .6 .1 .0 10742  
CATEGORY B | .5 .1 .0 10970 | .5 .1 11118 | .6 .1 .0 11186 | .7 .1 .0 11298  
.....

.....  
TIME (LST) | 1200 - 1400 | 1500 - 1700 | 1800 - 2000 | 2100 - 2300  
SPEED (KTS) | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | .6 .1 10638 | .5 .1 .0 10723 | .6 .1 .0 9896 | .4 .1 .0 9875  
CATEGORY B | .6 .1 11167 | .6 .1 .0 11122 | .7 .1 .0 10252 | .4 .1 .0 10285  
.....

.....  
TIME (LST) | 0600 - 2000 | ALL HOURS  
SPEED KTS | GE15 GE20 GE25 OBS | GE15 GE20 GE25 OBS  
CATEGORY A | .6 .1 .0 52678 | .5 .1 .0 83826  
CATEGORY B | .6 .1 .0 55025 | .6 .1 .0 87398  
.....





PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

H - 1 - 1

## PART H

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 700860 STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1979	****	****	2607	****	****	****	****	****	****	****	****	****	2607
1981	****	****	****	****	****	****	****	837	1050	****	****	****	1887
1982	****	****	****	1889	1308	831	640	793	968	1749	2285	2370	12833
1983	2669	2148	2510	1889	1547	876	859	783	1087	1772	1952	2070	20162
1984	2472	2825	2521	2109	1380	906	785	844	990	1485	2325	2593	21235
1985	2248	2412	2352	2210	1211	841	734	787	979	1643	1831	2081	19329
1986	2502	2071	2591	2081	1414	863	771	790	829	1521	2086	2277	19796
1987	2355	2417	2493	2183	1350	907	647	657	947	1272	1999	2253	19480
1988	2237	2266	2294	1831	1332	893	739	808	1022	1679	2450	2009	19560
MEAN	2413	2356	2481	2027	1363	873	739	787	984	1588	2132	2236	
SD	166.43	268.11	117.03	154.90	103.28	30.38	77.28	57.51	77.57	176.08	225.31	204.32	

H - 2 - 1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 700860

STATION NAME: BARTER ISLAND AK  
LST TO UTC: + 9

PERIOD OF RECORD: JAN 79 - DEC 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

MEAN |  
SD |

H - 3 - 1

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	39	37	36	43	52	68	78	72	66	46	37	37	78	39
MEAN MAX TEMP (F)	-8	-14	-9	7	26	38	45	44	35	20	5	-6	16	39
MEAN TEMP (F)	-14	-20	-16	-2	21	35	40	39	32	15	-1	-12	10	39
MEAN MIN TEMP (F)	-20	-26	-22	-10	16	30	35	34	28	10	-7	-18	4	39
EXTRM MIN TEMP (F)	-54	-59	-51	-44	-16	13	24	20	4	-26	-44	-51	-59	39
D/W TEMP GE 60 (F)	0	0	0	0	0	1	2	1	#	0	0	0	4	39
D/W TEMP GE 50 (F)	0	0	0	0	#	2	8	7	1	0	0	0	18	39
D/W TEMP LT 33 (F)	31	28	31	30	31	23	9	11	25	31	30	31	311	39
D/W TEMP LT 0 (F)	28	27	30	23	2	0	0	0	0	6	20	28	164	39
HEATING DEGREE DAYS	2480	2394	2520	1977	1367	927	778	806	1008	1544	1956	2415	20172	30
COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	30
MEAN DEWPOINT TEMP (F)	*	*	*	-9	16	31	36	36	28	11	-9	*	*	10
MEAN WET BULB TEMP (F)	*	*	*	-2	20	33	38	38	30	14	-3	*	*	10
99.95% WCPA (FT)	1100	950	750	750	600	650	600	750	800	1000	1000	1200	900	10
MEAN REL HUM C° LST(%)	68.9	66.2	60.9	66.6	81.4	87.8	89.7	91.8	89.2	82.0	72.8	71.2	77.8	10
MEAN REL HUM 13 LST(%)	68.6	66.8	62.2	68.0	79.2	83.8	85.1	87.1	85.0	81.3	72.9	70.1	76.1	10
MAX 24HR PRECIP (IN)	2.25	.38	.54	.44	.73	1.15	1.64	.88	2.04	1.98	.43	.52	2.25	39
MAX PRECIP (IN)	4.08	1.63	1.44	1.22	1.51	2.09	3.01	3.40	4.90	3.09	1.50	1.17	15.80	39
MEAN PRECIP (IN)	.45	.20	.22	.18	.30	.50	.98	1.09	.77	.75	.41	.26	6.12	39
MIN PRECIP (IN)	#	#	#	#	.02	.03	#	.16	.07	.12	.04	#	2.93	39
D/W PRECIP GE .01 (IN)	5	5	5	5	6	6	8	12	10	12	8	6	88	39
D/W PRECIP GT .50 (IN)	#	0	#	0	#	#	1	1	1	#	0	#	3	39
MAX 24HR SNFL (IN)	14.8	3.8	5.4	4.4	7.3	5.4	3.4	3.4	16.1	16.0	6.1	5.2	16.1	39
MAX SNFL (IN)	35.0	15.3	15.0	12.2	11.1	9.4	3.8	7.6	35.8	32.2	20.2	12.9	130.3	39
MEAN SNFL (IN)	4.6	2.5	2.6	2.3	2.9	1.6	.5	1.6	5.6	9.5	5.1	3.4	42.2	39
D/W SNFL GE .1 (IN)	5	5	5	6	6	2	1	2	6	12	8	6	64	39
D/W SNFL GE 1.5 (IN)	1	1	1	1	1	1	#	1	1	2	1	1	12	39
MAX DLY SNO DEPTH (IN)	43	43	47	47	40	35	2	3	20	24	24	26	47	39
PRVLNG WND DIR (DEG)	08-10	26-28	08-10	08-10	08-10	08-10	08-10	08-10	08-10	08-10	08-10	08-10	08-10	10
MEAN WND SPD (KTS)	14	13	12	11	12	11	10	10	12	14	13	13	12	10
MAX WND SPD (KTS)	70	64	67	45	49	46	42	50	68	60	70	75	75	37
SKY COVER GT 5/10 (%)	50.5	49.7	43.0	53.3	77.4	72.3	75.1	85.5	84.7	80.9	59.3	53.1	65.7	10
D/W THUNDERSTORMS	0	0	0	0	#	#	#	#	0	0	0	0	#	39
D/W FOG (VSBY LT 7 MI)	10	9	10	1										

POR/YOR = PERIOD/YEARS OF RECORD  
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE  
# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE  
\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN  
WIND DIRECTION

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	36.5	21.5	19.1	26.2	61.7	46.9	40.4	52.2	58.9	60.1	34.6	30.5	40.7	10
	03 - 05	35.6	23.9	21.8	26.1	63.7	49.2	49.4	55.4	63.1	62.3	36.6	30.0	43.1	10
	06 - 08	31.7	24.5	23.1	25.9	60.9	50.5	52.5	57.9	61.6	61.2	35.0	30.3	42.9	10
	09 - 11	33.7	25.6	22.6	25.8	56.3	44.4	44.5	54.1	59.5	58.5	35.7	29.2	40.8	10
	12 - 14	33.4	22.5	22.0	22.6	49.8	37.7	36.4	47.7	56.5	55.3	35.1	28.4	37.3	10
	15 - 17	33.4	22.3	20.1	22.8	53.0	36.5	31.3	46.2	54.7	56.2	35.9	27.8	36.7	10
	18 - 20	37.4	22.0	17.3	24.1	55.8	35.8	31.0	45.4	54.8	54.4	33.6	29.3	36.7	10
	21 - 23	38.1	19.4	18.5	26.2	57.7	40.1	37.0	46.0	58.8	55.6	34.4	30.6	38.5	10
	ALL	34.9	22.8	20.6	24.9	57.4	42.6	40.3	50.7	58.5	58.0	35.1	29.5	39.9	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	31.7	21.1	15.7	21.6	54.7	44.8	37.2	44.7	49.0	51.4	29.1	24.8	35.5	10
	03 - 05	30.7	22.7	17.4	21.1	56.7	46.7	44.8	47.7	52.7	50.3	30.7	23.8	37.1	10
	06 - 08	27.6	20.7	18.7	20.2	52.2	46.8	47.3	50.4	53.3	48.4	28.8	24.3	36.6	10
	09 - 11	29.4	22.6	19.3	21.2	48.0	40.3	38.7	48.4	49.9	48.1	28.8	24.9	35.0	10
	12 - 14	28.9	20.8	18.7	19.4	43.7	34.1	32.0	41.7	46.8	43.4	28.3	23.2	31.7	10
	15 - 17	30.2	19.7	16.2	18.5	45.9	32.5	27.7	39.7	44.6	46.0	30.8	22.9	31.2	10
	18 - 20	33.4	20.3	13.8	18.8	47.2	33.8	27.0	37.9	46.2	46.6	27.9	24.6	31.5	10
	21 - 23	33.8	18.7	15.7	20.2	49.6	38.4	32.0	39.3	47.9	48.1	27.1	25.0	33.0	10
	ALL	30.6	20.9	17.0	20.2	49.8	39.7	35.8	43.8	48.8	47.8	29.0	24.2	34.2	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	25.0	16.2	12.0	14.5	42.0	42.8	35.0	37.0	36.8	31.4	15.7	17.3	27.1	10
	03 - 05	23.3	18.1	12.1	13.8	44.5	43.0	42.8	39.8	38.5	28.6	16.5	17.6	28.2	10
	06 - 08	21.7	18.1	12.5	13.7	40.5	43.5	44.8	42.2	40.7	28.0	15.6	16.2	28.1	10
	09 - 11	21.1	19.0	14.0	15.1	36.9	36.2	35.6	41.3	40.3	29.0	17.1	15.2	26.7	10
	12 - 14	20.1	17.6	14.9	14.1	33.6	29.5	28.8	34.7	36.5	26.6	18.2	15.8	24.2	10
	15 - 17	22.7	16.2	12.7	13.3	32.3	29.9	25.7	32.1	36.4	29.1	20.0	16.4	23.9	10
	18 - 20	24.3	15.7	11.2	13.3	35.5	30.0	25.3	31.1	37.1	28.2	17.4	17.7	23.9	10
	21 - 23	26.4	15.9	10.8	14.2	37.3	35.0	30.4	33.8	37.1	30.9	15.9	18.5	25.5	10
	ALL	23.0	17.2	12.6	14.0	37.8	36.2	33.6	36.6	37.9	28.9	17.1	16.8	26.2	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	6.8	5.7	3.3	2.3	6.2	11.9	17.0	12.5	12.6	2.8	2.0	3.1	7.2	10
	03 - 05	6.1	5.5	3.4	1.9	7.2	10.4	20.6	11.6	10.9	2.4	2.1	2.7	7.1	10
	06 - 08	5.5	6.2	4.2	2.7	6.0	8.5	15.8	13.8	12.4	3.1	1.3	1.8	6.8	10
	09 - 11	6.3	6.0	3.5	2.4	2.2	4.8	9.4	11.9	8.8	4.6	2.4	2.2	5.4	10
	12 - 14	5.7	6.5	3.6	1.4	.7	2.4	6.3	8.5	8.1	4.3	3.7	2.6	4.5	10
	15 - 17	7.9	6.3	2.9	2.2	.9	3.3	6.2	9.0	8.9	3.7	3.8	4.5	5.0	10
	18 - 20	7.1	6.6	2.7	2.1	3.1	5.6	9.7	9.1	11.4	2.5	2.5	5.4	5.6	10
	21 - 23	10.1	5.2	2.6	2.9	5.0	7.5	12.3	12.0	14.9	2.5	1.8	4.9	6.8	10
	ALL	6.8	6.0	3.3	2.2	3.9	6.8	12.2	11.1	11.0	3.3	2.5	3.3	6.1	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @ HEATING/COOLING DEGREE DAY AND MAX WIND SPEED DATA SUPPLEMENTED FROM:															
LOCAL CLIMATOLOGICAL DATA (1988) FOR BARTER ILAND ALASKA (SOD POR 1947-1988).															
@@ MEAN DEW POINT/WET BULB TEMPERATURES UNRELIABLE IN WINTER MONTHS. DEW POINTS NOT REPORTED WHEN TEMPERATURE IS BELOW -35 DEG F. (SEE BARTER ISLAND SOCS, NOTE 1, PAGE E-1-2).															